INDEPENDENT ORBITER ASSESSMENT

ASSESSMENT OF THE MECHANICAL ACTUATION SUBSYSTEM VOLUME 1 OF 2

7 MARCH 1988

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY
ENGINEERING SERVICES- HOUSTON DIVISION

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1.0 EXECUTIVE SUMMARY

The McDonnell Douglas Astronautics Company (MDAC) was selected in June 1986 to perform an Independent Orbiter Assessment (IOA) of the Failure Modes and Effects Analysis (FMEA) and Critical Items List (CIL). Direction was given by the STS Orbiter and GFE Projects Office to perform the hardware analysis using the instructions and ground rules defined in NSTS 22206, Instructions for Preparation of FMEA and CIL, change 2, PRCBD 40107D, 28 March, 1987. The IOA approach features a top-down analysis of the hardware to determine draft failure modes, criticality, and potential critical items. To preserve independence, this analysis was accomplished without reliance upon the results contained within the NASA FMEA/CIL documentation. The IOA results were then compared to the proposed Post 51-L NASA FMEA/CIL baseline that was available. A resolution of each discrepancy from the comparison was provided through additional analysis as required. However, due to the cancellation of the IOA task, the resolution of these discrepancies were not attempted. These discrepancies were flagged as issues, and recommendations were made based on the FMEA data available at the time. This report documents the results of that comparison for the Orbiter Mechanical Actuation System (MAS) hardware.

The MAS hardware is required for performing critical functions of crew ingress/egress, air data parameter data acquisition, thermal protection of the elevon spar, fittings and External Tank (ET) umbilical cavities, communications support via the Tracking and Data Relay Satellite, target tracking during rendezvous and proximity operations, access for cargo to the payload bay, support for the ATCS and enables pressurized control of unpressurized compartments during transient pressure periods and environmental control during static pressure periods. Specifically, the MAS hardware consists of the following components:

- Air Data Probe (ADP)
- Elevon Seal Panel (ESP)
- External Tank Umbilical (ETU)
- Ku-Band Deploy (KBD)
- Payload Bay Doors (PBD)
- Payload Bay Radiators (PBR)
- Personnel Hatches (PH)
- Vent Door Mechanism (VDM)
- Startracker Door Mechanism (SDM)

The IOA analysis process utilized available MAS hardware drawings and schematics for defining hardware assemblies, components, and hardware items. Each level of hardware was evaluated and analyzed for possible failure modes and effects. Criticality was assigned based upon the severity of the effect for each failure mode.

The IOA product for the MAS independent analysis consisted of 685 failure mode "worksheets" that resulted in 476 potential critical items being identified. A comparison was made of the IOA product to the NASA FMEA/CIL baseline which consisted of presentation charts to NSTS Level I/II Review Board for MAS FMEA/CIL Review through 5 february, 1988. The NASA Baseline Charts used for comparison consisted of FMEA/CIL Summary Sheets for 510 FMEAs and comprehensive CIL Documentation for 252 CILs. The difference in the number of IOA analysis worksheets and NASA FMEAs can be explained by the different levels of analysis detail performed to identify failure modes. The comparison determined if there were any results found by the IOA that were not included in the NASA baseline.

Figure 1 presents a summary of the failure criticalities for each of the nine major subdivisions of the MAS. A summary of the number of failure modes, by criticality, is also presented below with Hardware (HW) criticality first and Functional (F) criticality second.

Summary of NASA Failure Modes By Criticality (HW/F)

Criticality :	1/1	2/1R	2/2	3/1R	3/2R	3/3	TOTAL
ADP :	1	6	0	19	0	10	36
ESP :	1	0	0	0	0	0	1
ETU :	10	26	0	29	0	37	102
KBD :	0	9	0	28	0	18	55
PBD :	15	32	2	12	2	9	72
PBR :	9	18	0	14	5	17	63
PH :	6	0	2	0	2	20	30
VDM :	22	43	0	0	0	67	132
SDM :	0	40	0	8	0	7	19
TOTAL :	64	138	4	110	9	185	510

For each failure mode identified, the criticality and redundancy screens were examined to identify critical items. A summary of Critical Items is presented as follows:

Summary of NASA Critical Items (HW/F)

Criticality :	1/1	2/1R	2/2	3/1R	3/2R	TOTAL
ADP :	1	6	0	8	0	15
ESP :	1	0	0	0	0	1
ETU :	10	26	0	9	0	45
KBD :	0	9	0	12	0	21
PBD :	15	32	2	6	0	55
PBR :	9	18	0	7	0	34
PH :	6	0	2	0	2	10
VDM :	22	43	0	0	0	65
SDM :	0	4	0	2	0	6
TOTAL :	64	138	4	44	2	252

MAS OVERVIEW ASSESSMENT SUMMARY

MAS ASSESSMENT SUMMARY

	ORIGINAL ASSESSMENT *			FINAL RESOLUTION **		
	IOA	NASA	ISSUES	IOA	NASA	ISSUES
FMEA	685	–	–	713	510	472
CIL	476	–	–	512	252	310

KU-BAND DEPLOY

	IOA	NASA	ISSUES
FMEA	209	55	167
CIL	163	21	125

PAYLOAD BAY DOORS

	IOA	NASA	ISSUES
FMEA	98	72	34
CIL	72	55	34

PAYLOAD BAY RADIATORS

	IOA	NASA	ISSUES
FMEA	40	63	11
CIL	25	34	4

PERSONNEL HATCHES

	IOA	NASA	ISSUES
FMEA	27	30	12
CIL	20	10	12

ET UMBILICAL

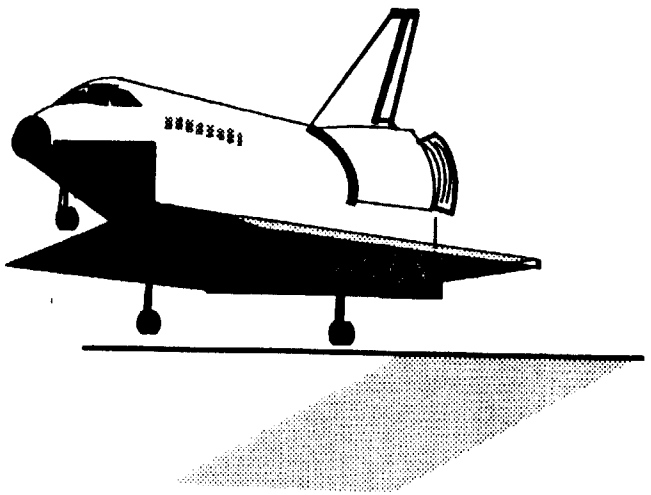
	IOA	NASA	ISSUES
FMEA	73	102	24
CIL	53	45	24

ELEVON SEAL PANEL

	IOA	NASA	ISSUES
FMEA	7	1	1
CIL	6	1	–

AIR DATA PROBE

	IOA	NASA	ISSUES
FMEA	221	36	205
CIL	144	15	101



VENT DOOR MECHANISM

	IOA	NASA	ISSUES
FMEA	27	132	10
CIL	26	65	10

STARTRACKER DOOR MECH

	IOA	NASA	ISSUES
FMEA	11	19	8
CIL	3	6	–

* NASA PROPOSED BASELINE

** FINAL NASA BASELINE AS OF 5 FEBRUARY 1988

Figure 1 - MAS OVERVIEW ASSESSMENT SUMMARY

2.0 INTRODUCTION

2.1 Purpose

The 51-L Challenger accident prompted the NASA to re-address safety policies, concepts, and rationale being used in the National Space Transportation System (NSTS). The NSTS Office has undertaken the task of re-evaluating the FMEA/CIL for the Space Shuttle design. The MDAC is providing an independent assessment of the Orbiter FMEA/CIL re-evaluation results for completeness and technical accuracy.

2.2 Scope

The scope of the independent FMEA/CIL assessment activity encompasses those Shuttle Orbiter subsystems and GFE hardware identified in the Space Shuttle Independent FMEA/CIL Assessment Contractor Statement of Work. Each subsystem analysis addresses hardware, functions, internal and external interfaces, and operational requirements for all mission phases.

2.3 Analysis Approach

The independent analysis approach is a top-down analysis utilizing as-built drawings to breakdown the respective subsystem into components and low-level hardware items. Each hardware item is evaluated for failure mode, effects, and criticality. These data are documented in the respective subsystem analysis report, and are used to assess the NASA and Prime Contractor FMEA/CIL re-evaluation results. The IOA analysis approach is summarized in the following Steps 1.0 through 3.0. Step 4.0 summarizes the assessment of the NASA and Prime Contractor FMEAs/CILs which is documented in this report.

Step 1.0 Subsystem Familiarization
- 1.1 Define subsystem functions
- 1.2 Define subsystem components
- 1.3 Define subsystem specific ground rules and assumptions

Step 2.0 Define subsystem analysis diagram
- 2.1 Define subsystem
- 2.2 Define major assemblies
- 2.3 Develop detailed subsystem representations

Step 3.0 Failure events definition
- 3.1 Construct matrix of failure modes
- 3.2 Document IOA analysis results

Step 4.0 Compare IOA analysis data to NASA FMEA/CIL
- 4.1 Resolve differences
- 4.2 Review in-house
- 4.3 Document assessment issues
- 4.4 Forward findings to Project Manager

2.4 MAS Ground Rules and Assumptions

The MAS ground rules and assumptions used in the IOA are defined in Appendix B. The subsystem specific ground rules were defined to limit the analysis to single-failed-parts for each failure mode. A subset of the "failure mode" and "causes" keywords were identified for the MAS team. This allowed for commonalty in the analysis results.

3.0 SUBSYSTEM DESCRIPTION

3.1 Design and Function

The MAS consists of the electrical power, display, control and mechanism hardware associated with the ADP, ESP, ETU, KBD, PLD, PBR, PH, VDM and SDM. Figure 2 shows this breakdown. More specifically, the MAS consists of the following components:

1. The Air Data Probe (ADP) consists of hardware required to sense atmospheric conditions and provide digital data to the GNC subsystem for display and control of the Orbiter during the Terminal Area Energy Management (below 14K altitude and Mach 5) and landing phase. Pressure data is provided below Mach 2.5 to compute angle of attack, acceleration, Mach/clean air mass velocity, equivalent and true airspeed, barometric altitude, and descent rate. Prior to this point the flight parameters are computed using inertial sensed acceleration data and a ground/airborne computed state vector. A temperature sensor on the head of the probe was designed to provide outside air temperature to be used to compute the true and equivalent airspeeds. This data is no longer used by the Orbiter GNC subsystem.

   The Mechanical Actuation Assembly consists of a probe housing mounted to the Orbiter Inner Mold Line and contains the dual operational redundant three phase AC motors, reduction gear drive and mechanical linkage required to rotate the probe mast from its stowed position to its deployed position in the Orbiter air stream. A three position lever-lock switch for each probe allows the pilot or commander to deploy the probe and turn the heaters on if required. Deployment will occur within 15 seconds with two motors operating or 30 seconds with only one motor operating. The two motors for each probe are powered by separate Main AC buses so that any one main AC bus can be used to deploy at least one ADP. When the probe is fully deployed, a limit switch is closed which provides feedback to the Motor Control Assembly which then removes power from the motors. This same Motor Control Assembly signal which removes power from the motors also closes a set of relays that enable the heater function of the three position switch. All three heaters in any one probe are powered by the same Forward Power Controller in the Orbiter. In order to stow either ADP, a separate two position lever-lock switch must be activated to enable the stow position of the deploy/heat switch. When fully stowed, redundant stow limit switches will provide a signal to the Motor Control Assembly to remove power from the motors. Reference Figure 3 and Figure 4.

2. Elevons may be deflected from 0 to 40 degrees up (negative) and 0 to 25 degrees down (positive). As the elevons traverse the 65 degrees, the Elevon Seal Panels (ESP) track the elevons and limits heat flow to the elevon spar and fittings. There are 34 outboard and inboard Elevon Seal Panel linkage mechanisms used to move the 30 Elevon Seal Panels. The linkage mechanism is attached to the elevon with a clevis and is attached to the Elevon Seal Panel with another clevis. Thus the mechanism is driven by elevon displacement and maintains appropriate clearances between the edge of the elevon and the Elevon Seal Panel over the 65 degrees of elevon movement. Reference Figure 5 and Figure 6.

3. The Orbiter External Tank Umbilical (ETU) Doors protect the aft Orbiter ET Umbilical Cavities from aerodynamic heating. The ET Umbilical Cavities contain the aft Orbiter/ET attachment points, the LOX and LH2 feedlines, and electrical connectors. The two ET Umbilical Doors are held open during ascent by two centerline latches.

   These latches have to be released before the doors can be closed. Each door is closed by an actuator and mechanical linkages. On the inside of each cavity are three uplock latches which engage three uplock rollers on each door. The latches prevent the door from vibrating or re-opening. The Umbilical Doors are closed and latched by the crew manually except in the event of an RTLS or contingency abort when the closure sequence is done by the GNC software. Reference Figure 7 and Figure 8.

4. The Ku-Band Antenna is utilized to support communications via the Tracking and Data Relay Satellite or to support target tracking during rendezvous and proximity operations. The Ku-Band Deploy (KBD) Mechanism facilitates the Ku-Band Antenna as it performs these dual functions. The Deployment Mechanism consists of the Deployed Assembly, the Deployment Mechanism Subsystem and the Electronics Assembly 1. The Electronics Assembly is located in the Forward Avionics Bay 3A. All other components are located on the Starboard Payload Bay Sill Longeron at approximately Z=410, X=589, and Y=100. The Deployed Assembly consists of the Antenna Dish, Deployed Electronics Assembly, Gimbal Mechanism, Gimbal Lock Mechanism, 2 Lock Pins, 2 Motors and 2 Microswitches. The Deployment Mechanism Subsystem consists of an Actuator Assembly with 2 motors, differential and gear box and a Deployment Mechanism with 2 deploy/stow limit switches, housing, input/output shaft, balls, Hardstop and Jettison Assembly with guillotine wire cutter and Structural Separation Systems, and frangible nut/bolt. Reference Figure 9 and Figure 10.

5. The Payload Bay Doors (PBD) are comprised of left-hand and right-hand doors hinged at the Orbiter midfuselage and latched at the forward and aft fuselage bulkheads. The left and right doors also are latched along the top centerline.

   The doors are 60 feet long. They are constructed of graphite/epoxy composite material. The left door weighs 2,375 pounds and the right door weighs 2,535 pounds. The right door is heavier because it carries the active centerline latch mechanisms. The closed PBD provide the aerodynamic faring required for the midfuselage and complete the environmental envelope for the payload bay. The PBD react fuselage torsional loads, support their own flight and purge pressure loadings, and support the radiators.

   There are 16 centerline latches, 8 aft bulkhead latches, and 8 forward bulkhead latches which hold the doors in the closed position. The latches are grouped in gangs of four. Each gang has its own pair of actuating motors, gearbox and drive mechanism.

   The Payload Bay Doors Mechanical Subsystem consists of three parts. These are the Centerline Latch Mechanism, the Bulkhead Latch Mechanism, and the Door Drive. Reference Figure 11 and Figure 12.

6. The Payload Bay Radiator (PBR) Deploy Mechanism provides the capability to release, deploy, stow and latch the two forward port and starboard radiator panels on the Payload Bay Doors. The Deploy Mechanism consists of (1) a latch system and (2) a deployment system. The Latch and Deployment Mechanisms are located on the Payload Bay Doors while the Passive Latch Rollers and the Radiator Hinge Plates are on the radiator panels.

   Each deployable radiator is secured to the PBD in the stowed position by six ganged latches. One latch PDU on each panel contains two 3-phase motors used to latch or release the six latches/panel simultaneously. PDU motor output drives, via torque shafts, three rotary actuators on each panel. As the torque shaft rotates, the rotary actuator arm is displaced 53 degrees. This rotational displacement drives two latch hooks, connected to the actuator arm by push rods, bellcranks and links, to the latch or release state.

The Radiator Deployment System consists of PDUs (one per side), torque shafts, rotary actuators (two per panel), deployment cranks and connecting links. Deployment PDUs, torque shafts and rotary actuators are basically the same as in the Latch System except for rotational displacement of the rotary actuator which is 92 degrees during deployment operations. This rotational displacement is applied to a deployment crank attached to the output arm of the Rotary Actuator, which drives the Radiator Panel to a deployed or stowed state. A deployment mechanism disconnect feature allows for manual disconnect of the Deployment Crank by EVA crewman in the event of a failed radiator. Reference Figure 13 through Figure 20.

7. The Personnel Hatches (PH) allow crew and service personnel ingress and egress capability to the Orbiter. There are three hatches, the Ingress/Egress Hatch, which allows access to the Orbiter, and two Airlock Hatches, which allow access to the airlock and payload bay. All three hatches are on the middeck and are of a similar design.

   Each of the three hatches consist of the following hardware: Actuator, Hatch Crank, Latches, O-Rings, and Purge Ports. In addition to the above hardware the Entry Hatch has a 10 inch viewport. The crank will rotate 450 degrees clockwise and counterclockwise. When the crank is rotated the actuator opens and closes the latches. The Entry Hatch has 18 latches and the Airlock Hatches have 6. These latches pull the hatch flush with the bulkhead and the O-rings form an airtight seal (see figure 24). The Purge Ports equalize the pressure between the two sides of the hatch. This allows the hatch to be easily opened. Reference Figure 21 through Figure 24.

8. The Vent Door Mechanism (VDM) enables pressure control of unpressurized compartments during transient pressure periods and environmental control during static pressure periods. There are eighteen doors which the Door Mechanism actuates electromechanically. The doors provide pressure and environmental control for the Forward RCS, Forward Fuselage Plenum, Mid Fuselage, Payload Bay, Aft Fuselage, Vertical Fin, OMS Pods and Wheel Wells. The Door Mechanism consists of 24 independently powered three-phase AC motors, connected via a differential gearbox and torque shaft/slip clutch to bellcranks, linkages, rod assembly with bolts, nuts, washers, cotterpins, microswitch position indicators, etc. Reference Figure 25 through Figure 27.

9. The Startracker Door Mechanism (SDM) enables an aperture in the orbiter skin on orbit in the Y & Z axis and provides protection for the Startracker and compartment during ascent and entry. The two doors are actuated electro-mechanically. Each Door Mechanism consists of two independently powered three-phase AC motors connected via a differential gearbox/train, actuator output and limit switches to either the Y or Z door. Reference Figure 28 and Figure 29.

3.2 Interfaces and Locations

The MAS interfaces with many onboard Orbiter systems including the Active Thermal Control System (ATCS), Air Surface Controls used for guidance and control, Crew, Guidance and Navigation, Communication and Tracking, Data Processing System, Electrical Power Display & Control, Elevons, External Tank Umbilical Door, Guidance & Navigation, and Purge, Vent & Drain Doors.

The MAS hardware is located throughout the Orbiter and interfaces primarily with the structure, electrical power, display and controls. The Air Data Probe and Startracker Door are located forward of the crew cabin. Personnel Hatches provide ingress/egress to the crew cabin. Ku-Band Deployment Mechanism, Payload Bay Doors, and the Payload Bay Radiator Deployment Mechanism are located in the Payload Bay. Purge, Vent and Drain Doors are located on each side of the Orbiter. The Elevon Seal Panels are located on top of each wing. ET Umbilical Doors are on the bottom side of the Orbiter.

3.3 Hierarchy

Figure 2 illustrates the hierarchy of the MAS hardware and the corresponding subcomponents. Figures 3 through 23 comprise the detailed system representation.

MECHANICAL ACTUATION SYSTEM OVERVIEW

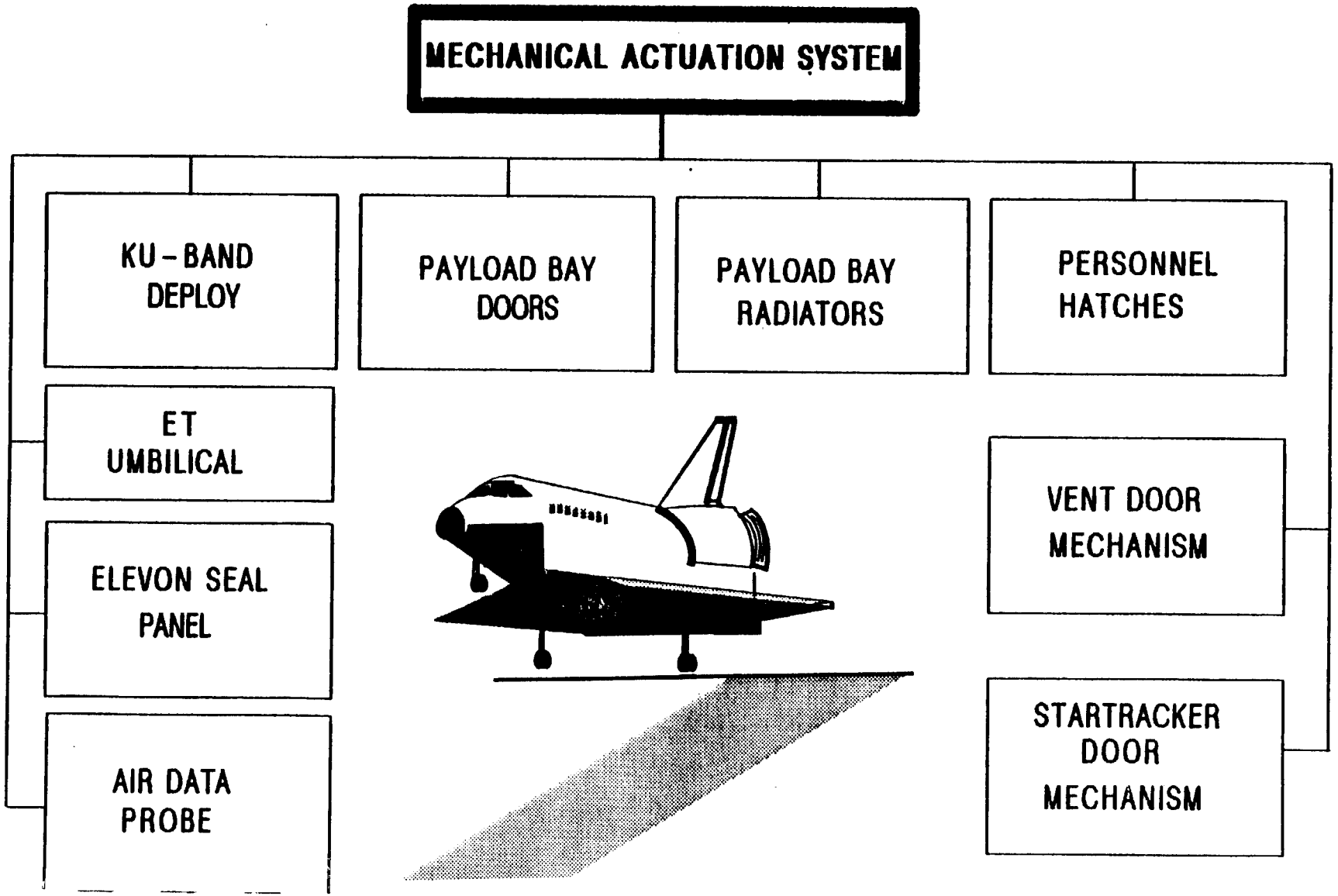


Figure 2 - MAS SUBSYSTEM OVERVIEW

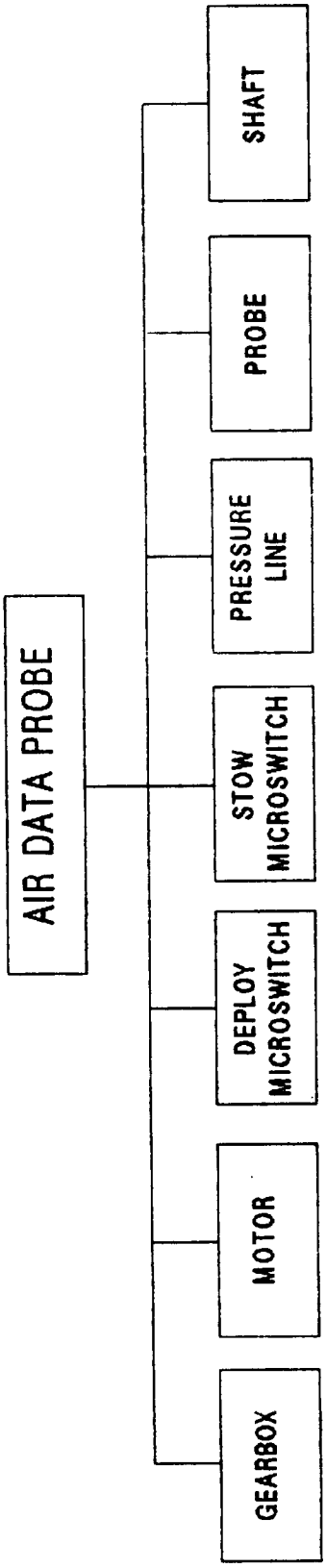


Figure 3 - AIR DATA PROBE FUNCTIONAL DIAGRAM

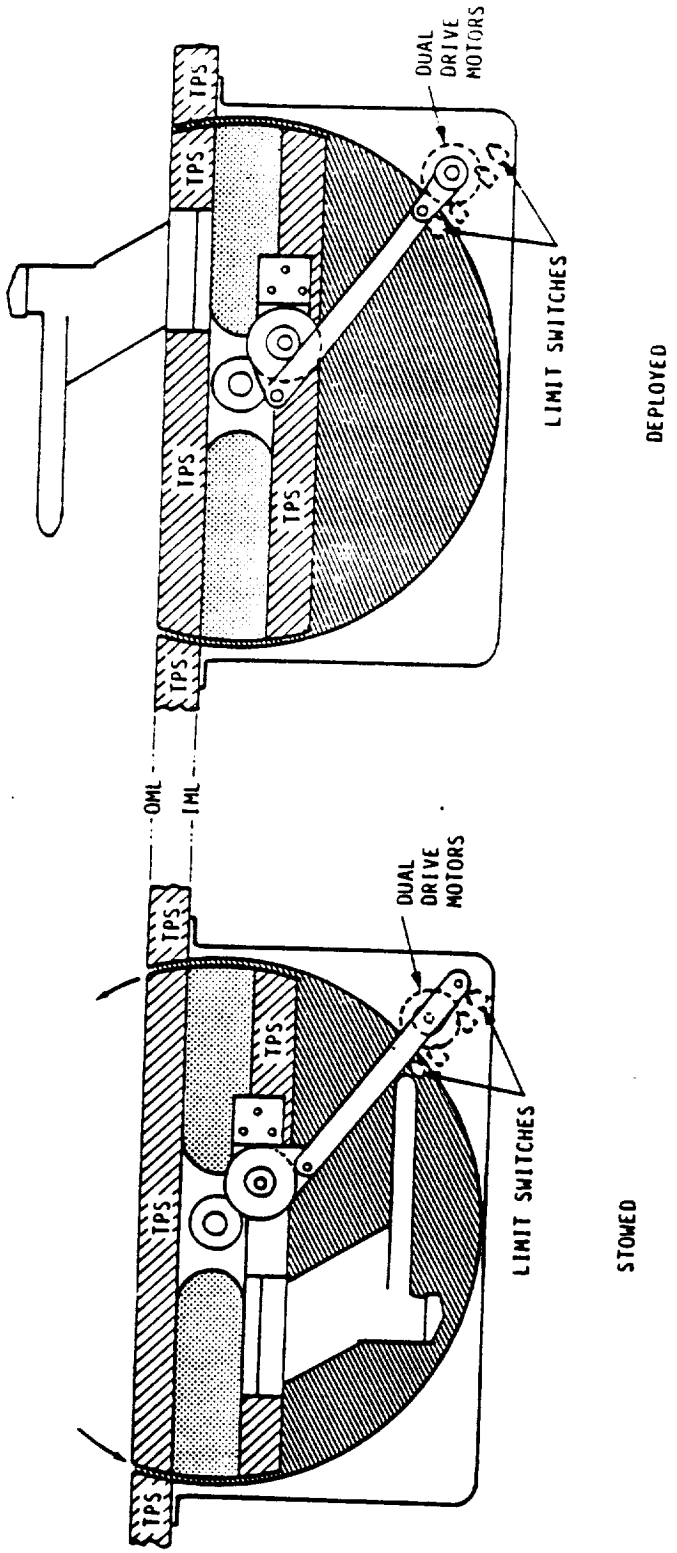


Figure 4 - AIR DATA PROBE

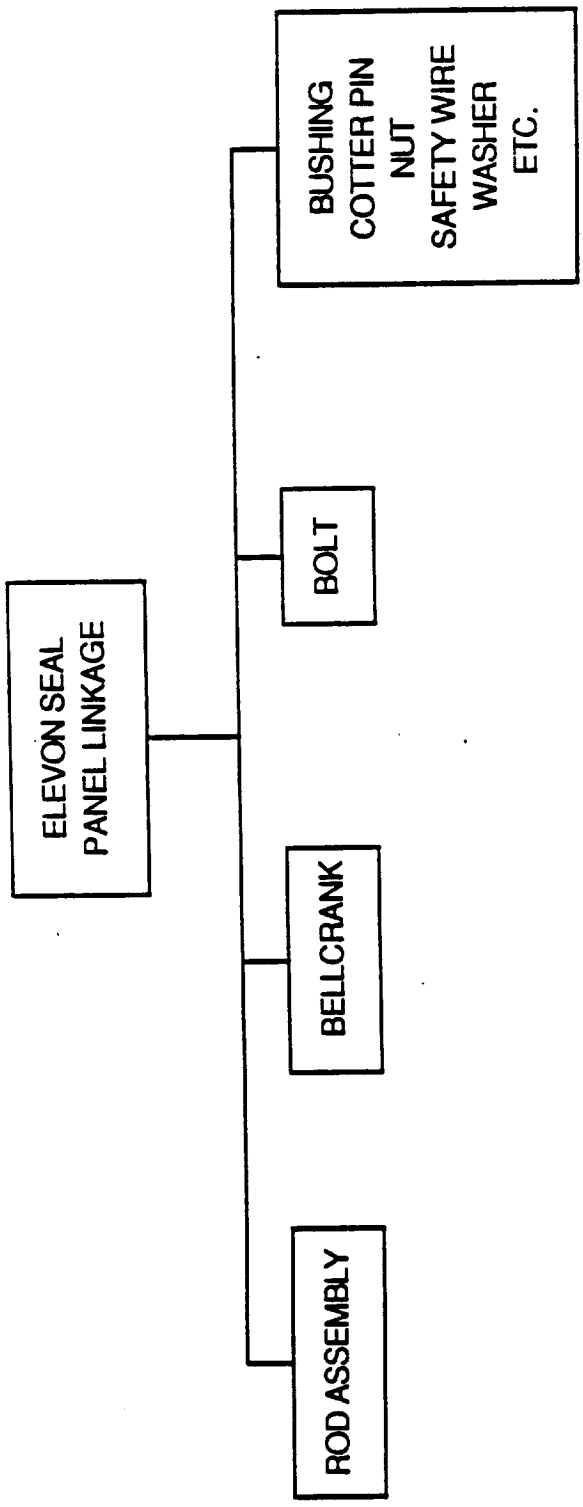


Figure 5 - ELEVON SEAL PANEL LINKAGE

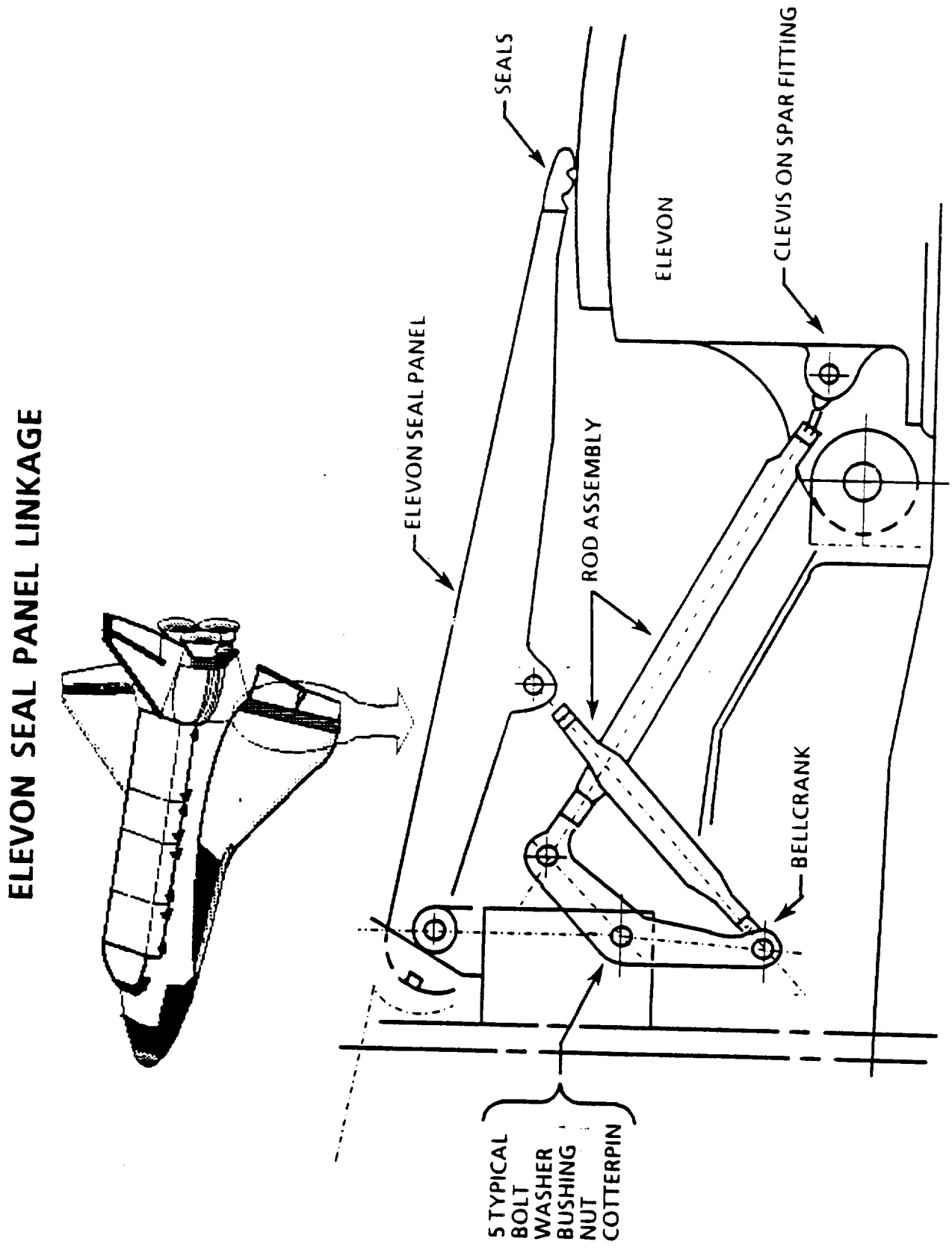


Figure 6 - ELEVON SEAL PANEL LINKAGE OVERVIEW

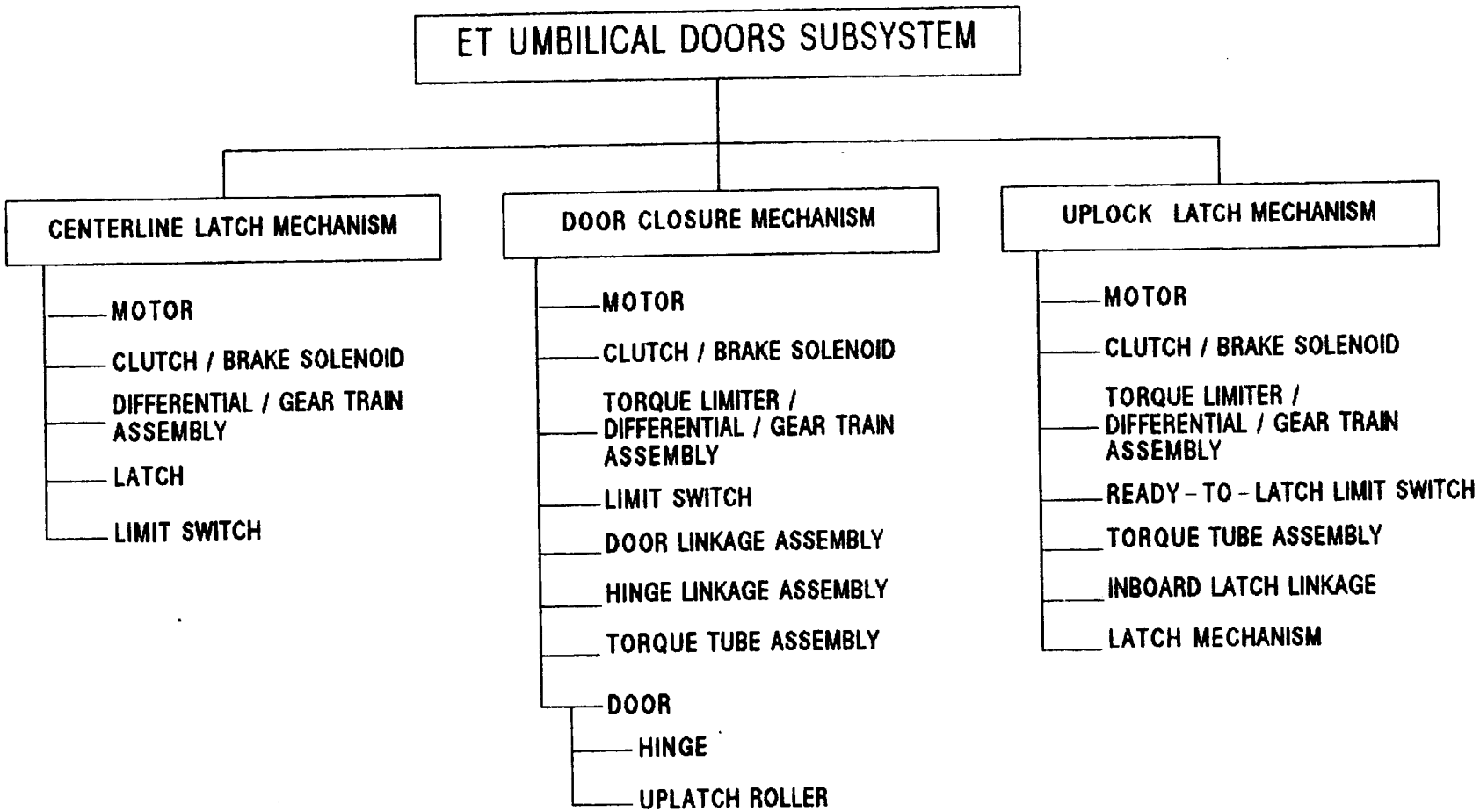


Figure 7 - ET UMBILICAL DOOR MECHANISM

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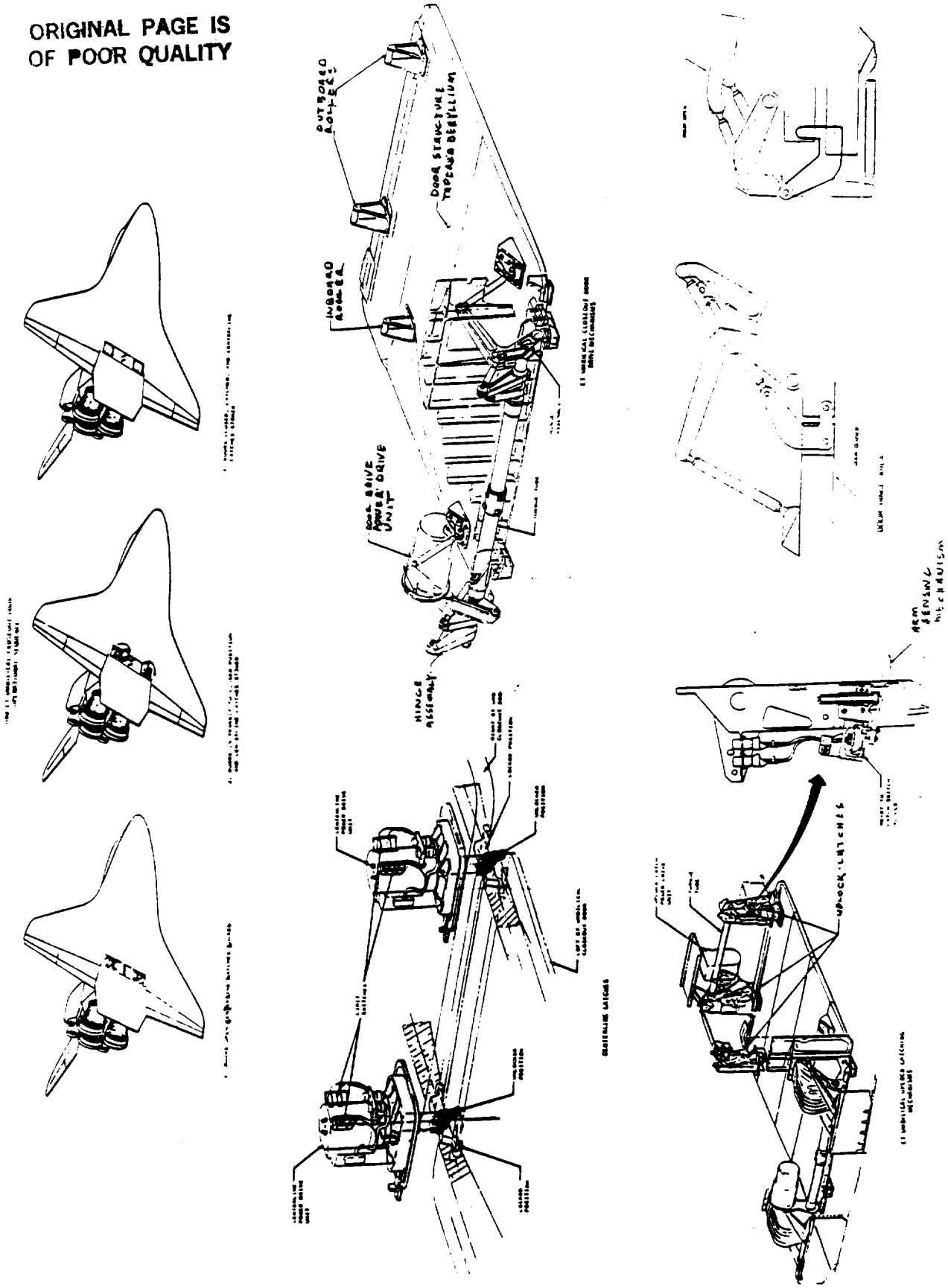


Figure 8 - ET UMBILICAL DOOR MECHANISM OVERVIEW

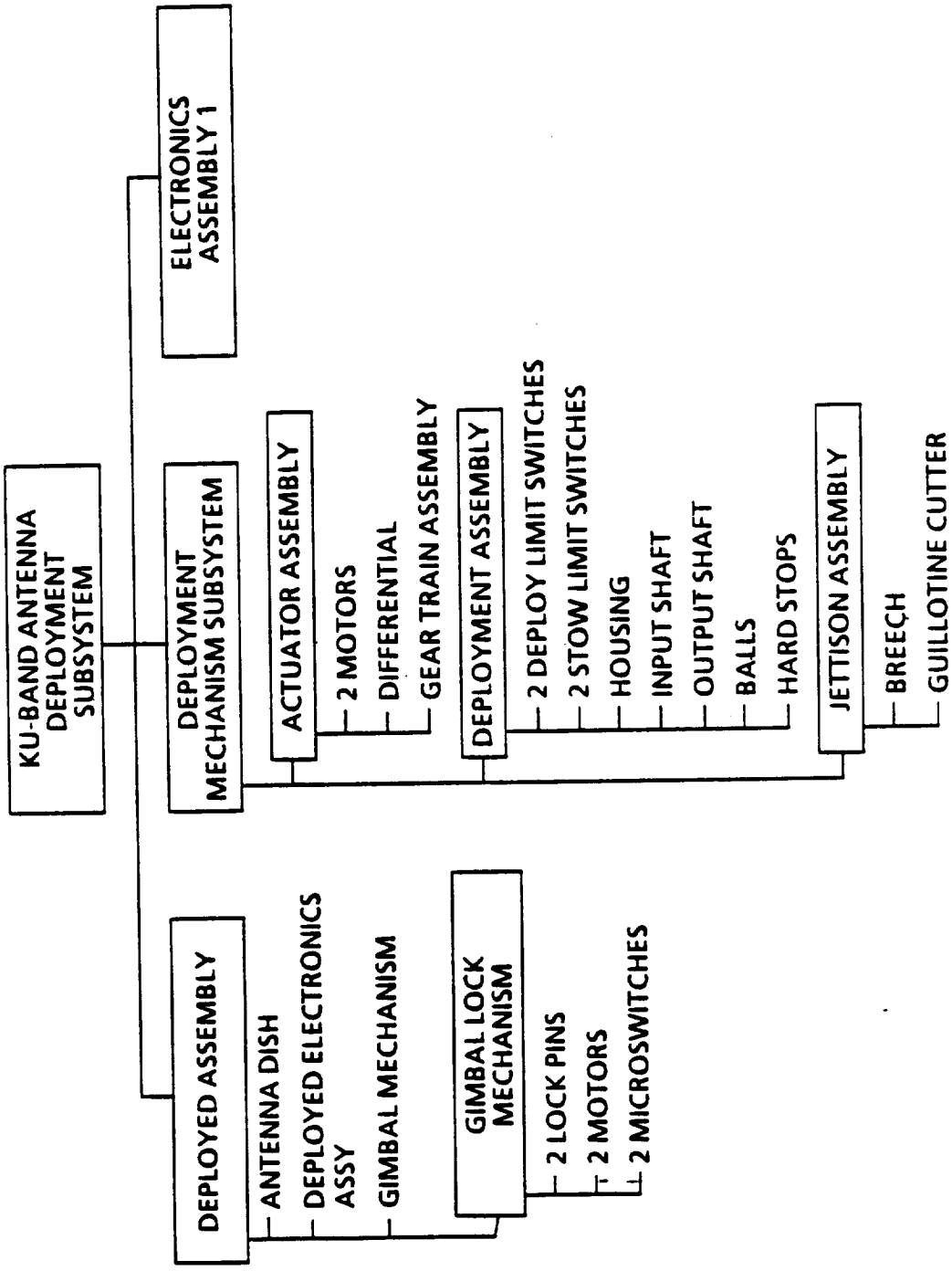


Figure 9 - Ku-BAND ANTENNA DEPLOYMENT SUBSYSTEM

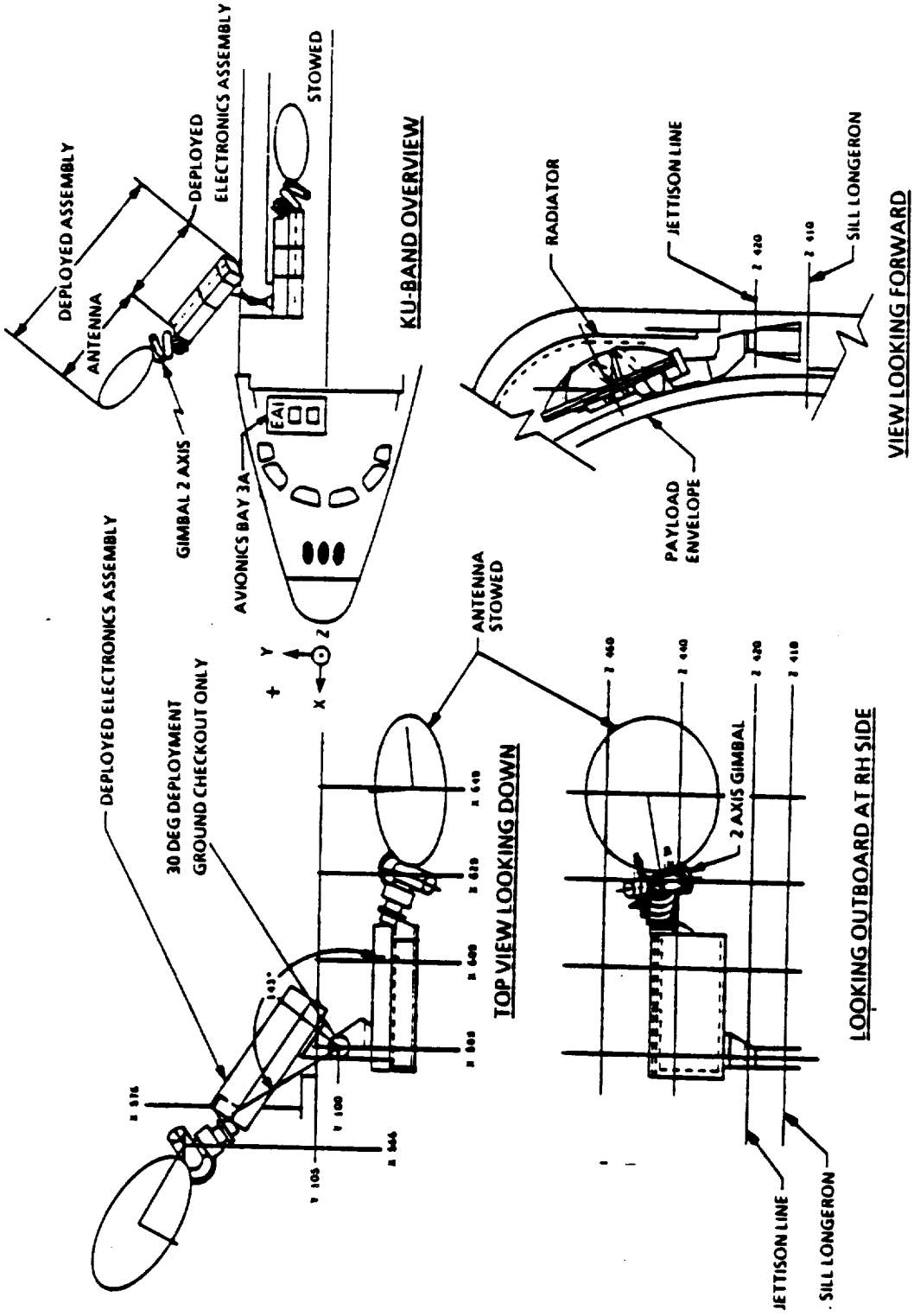


Figure 10 - Ku-BAND ANTENNA DEPLOYMENT OVERVIEW

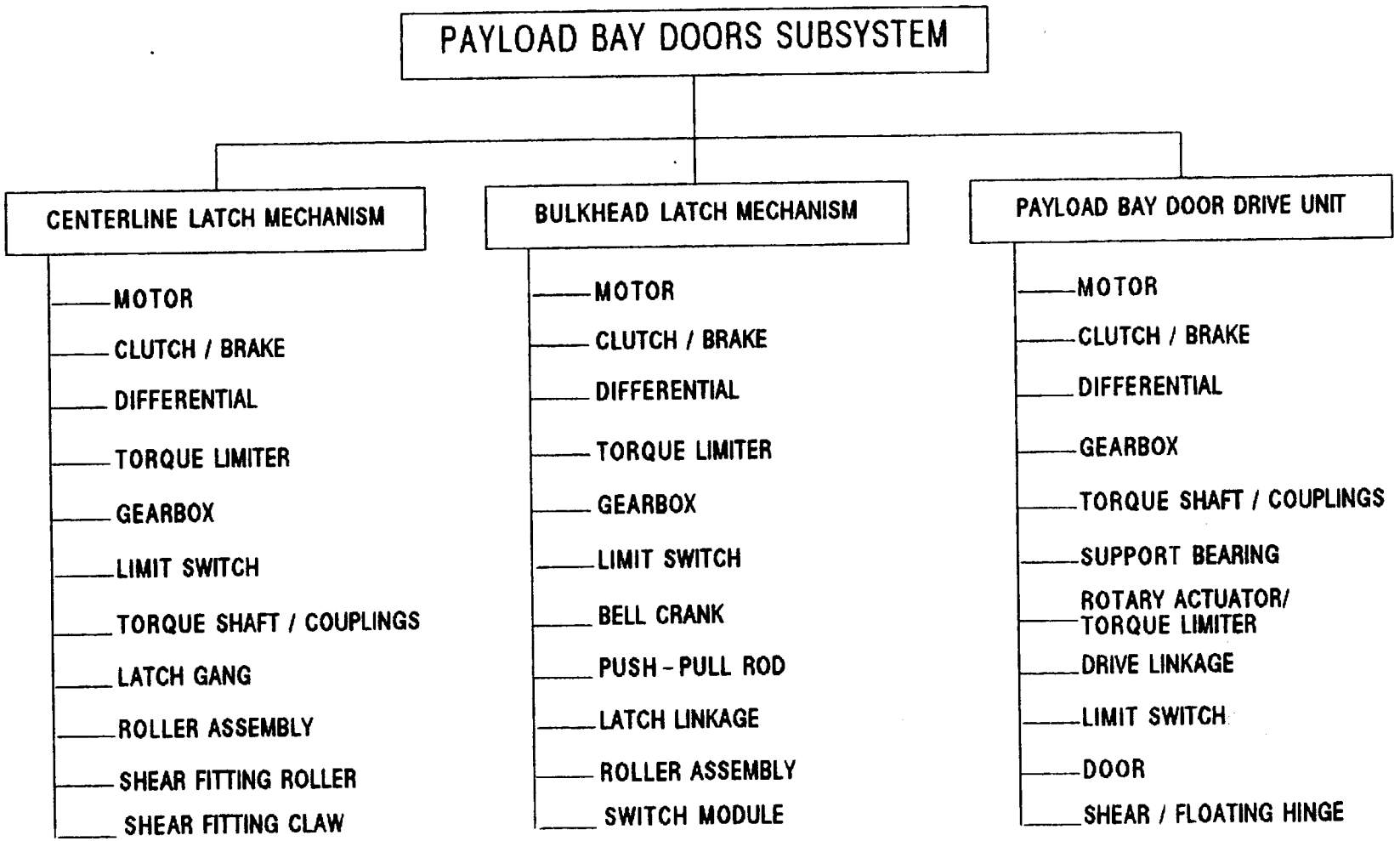


Figure 11 - PAYLOAD BAY DOOR MECHANISM

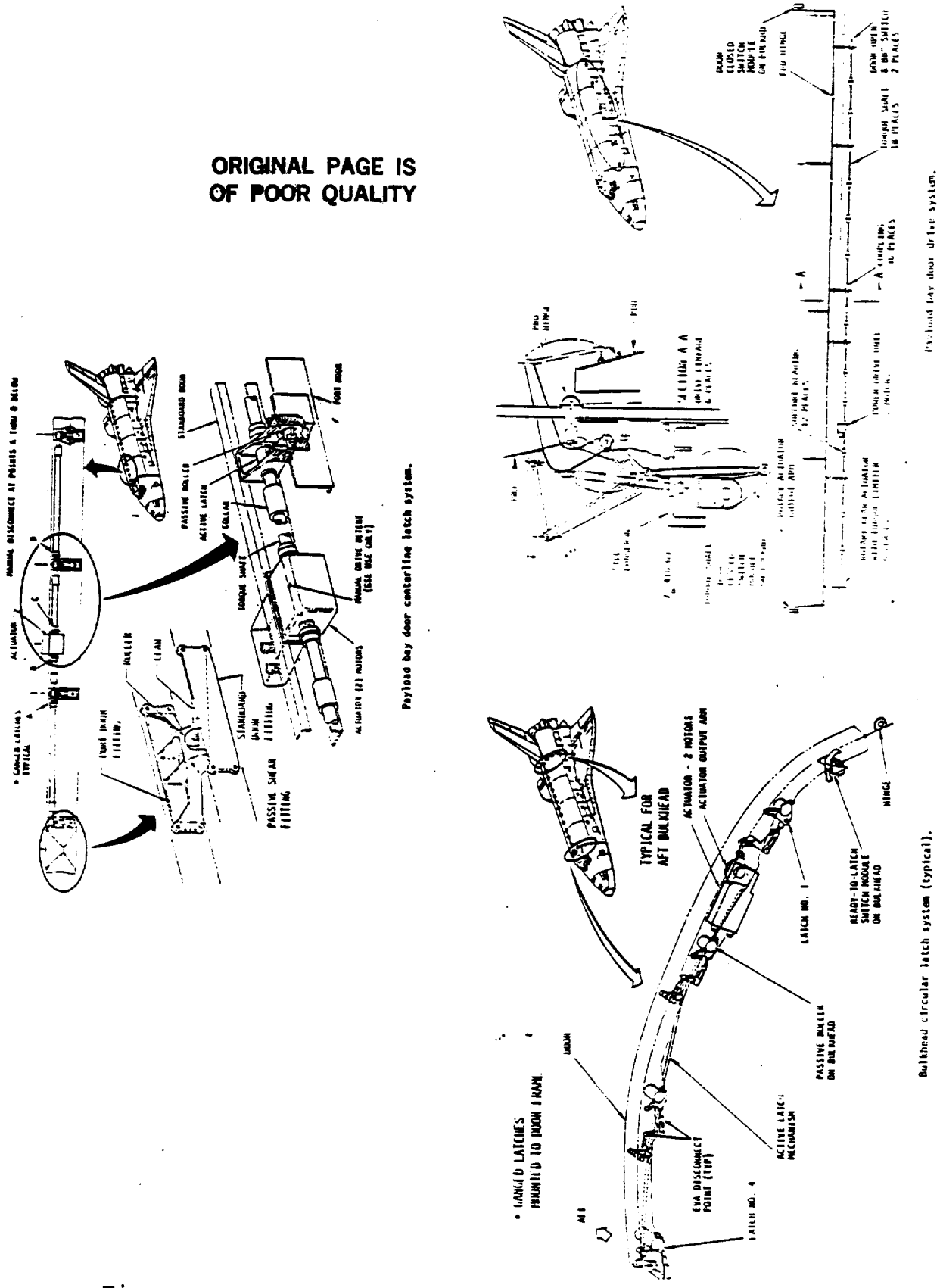


Figure 12 - PAYLOAD BAY DOOR MECHANISM OVERVIEW

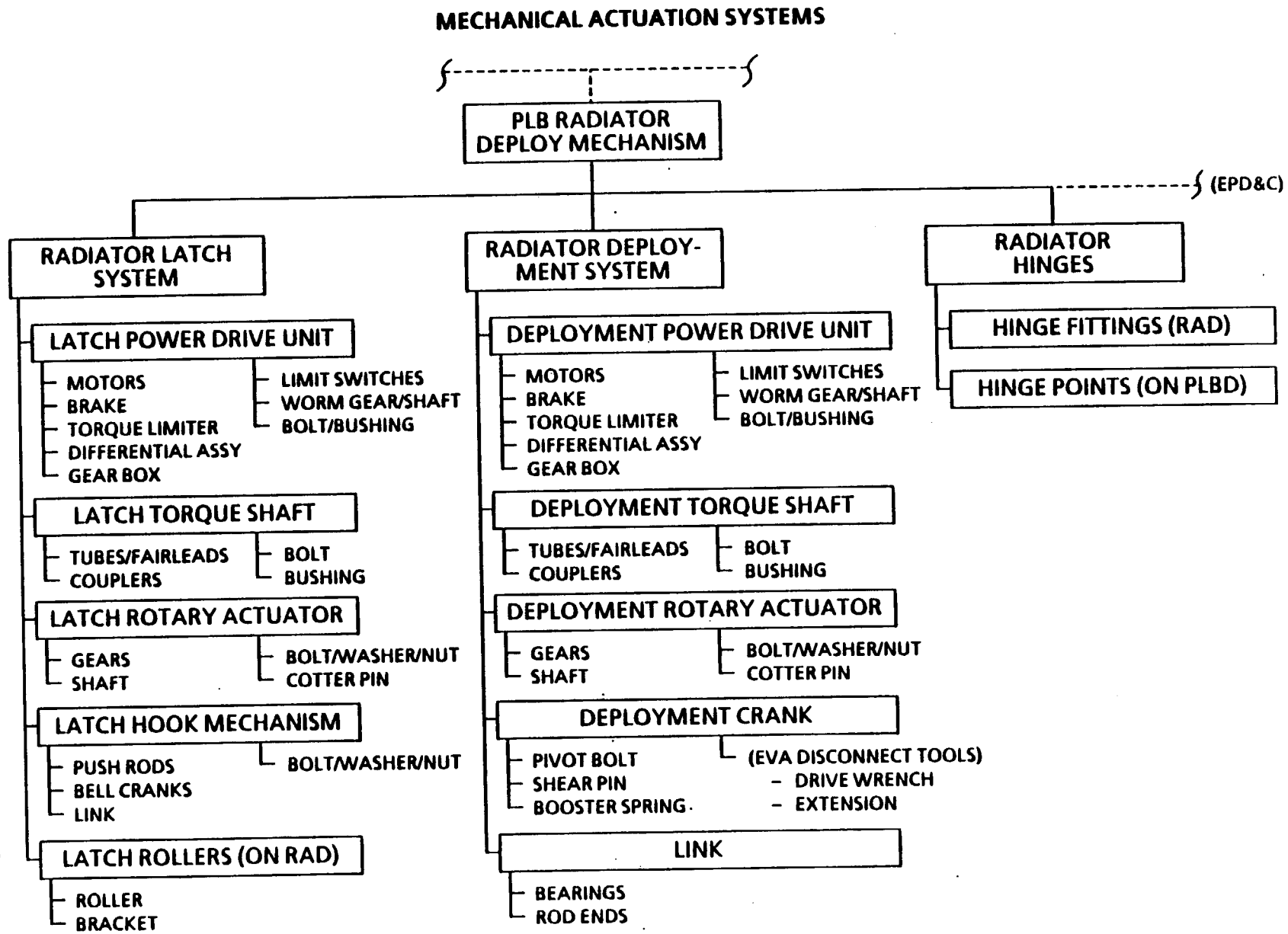


Figure 13 - PAYLOAD BAY RADIATOR DEPLOY SUBSYSTEM

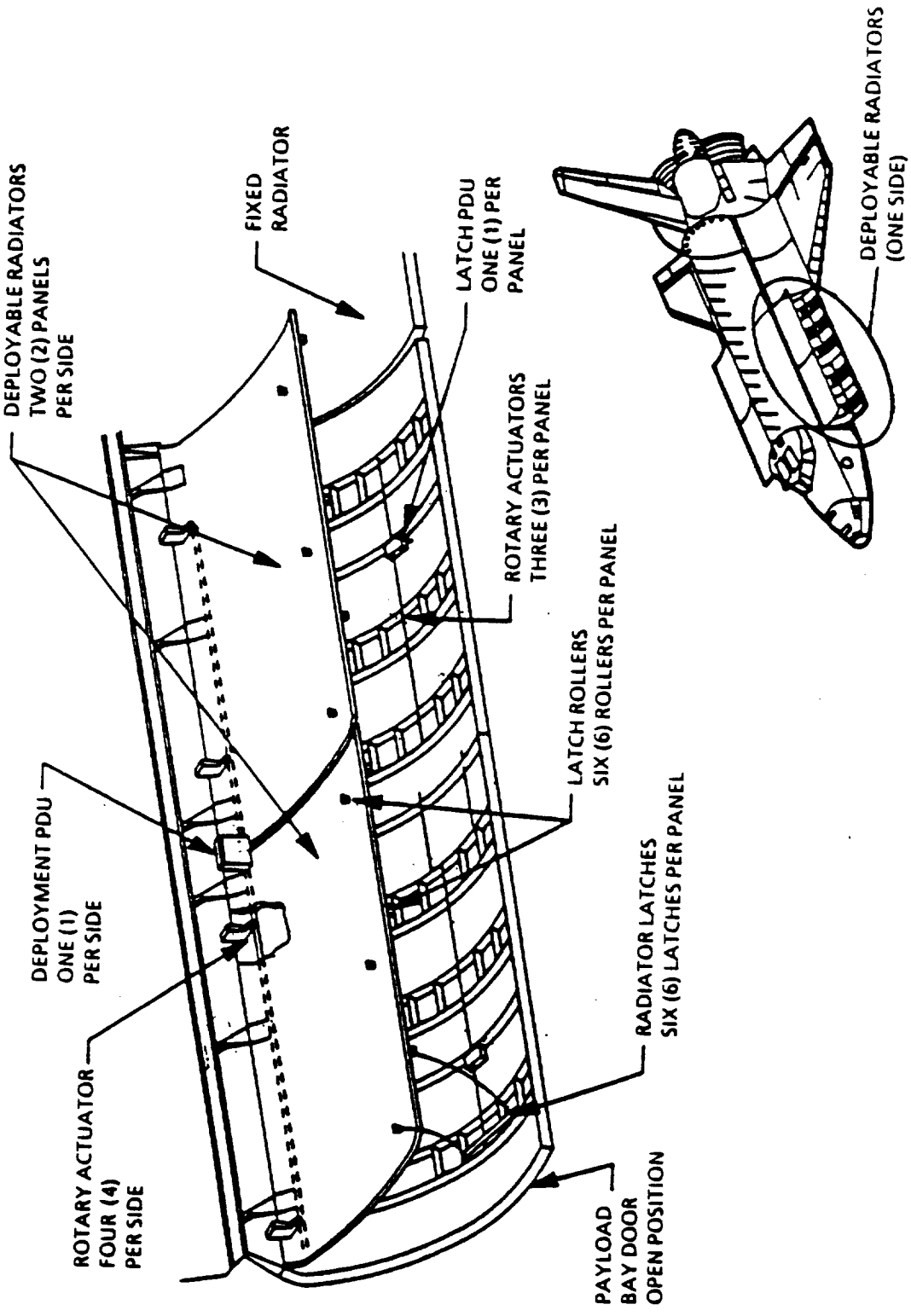


Figure 14 - RADIATOR DEPLOY SYSTEM

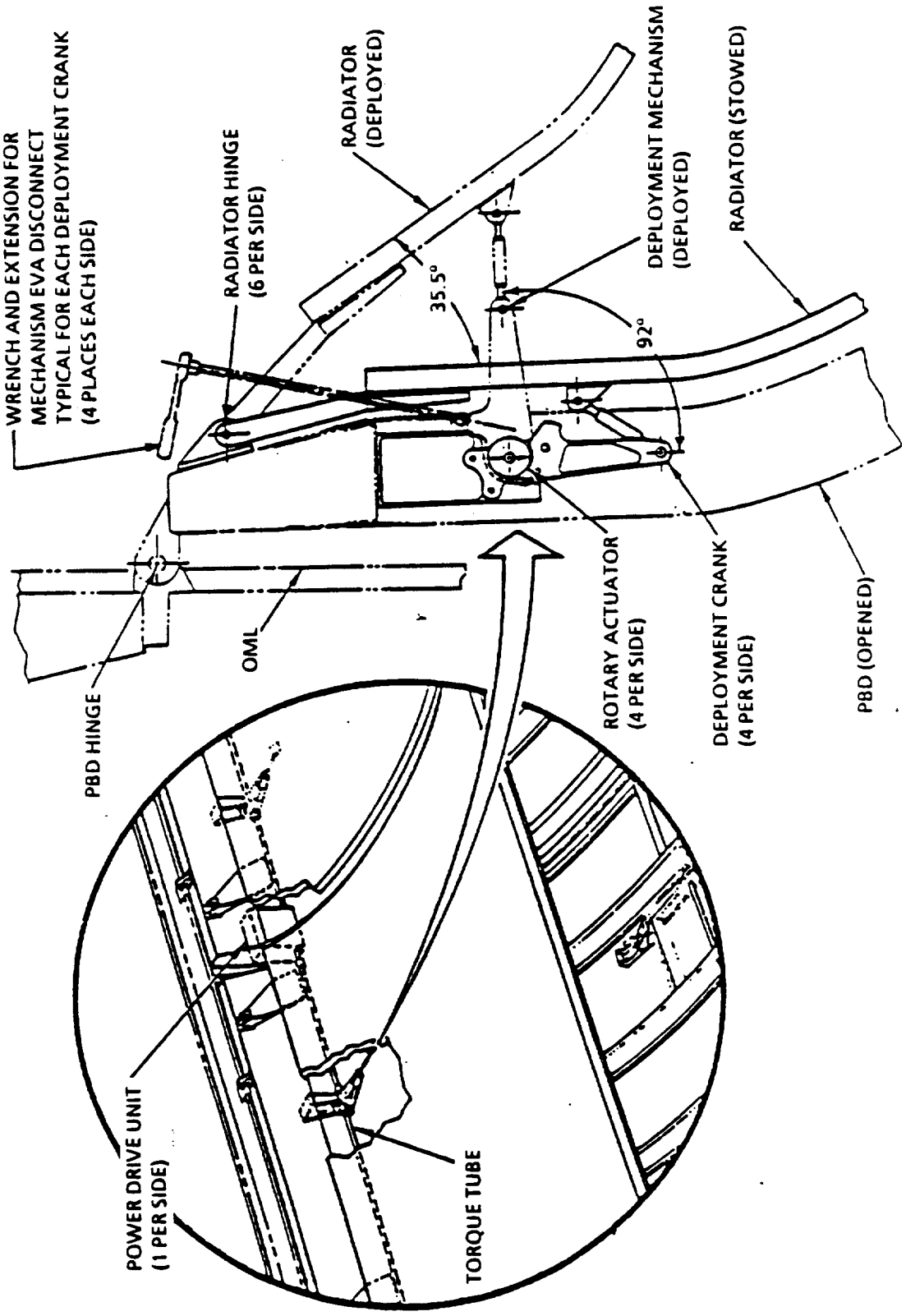


Figure 15 - RADIATOR DEPLOYMENT MECHANISM

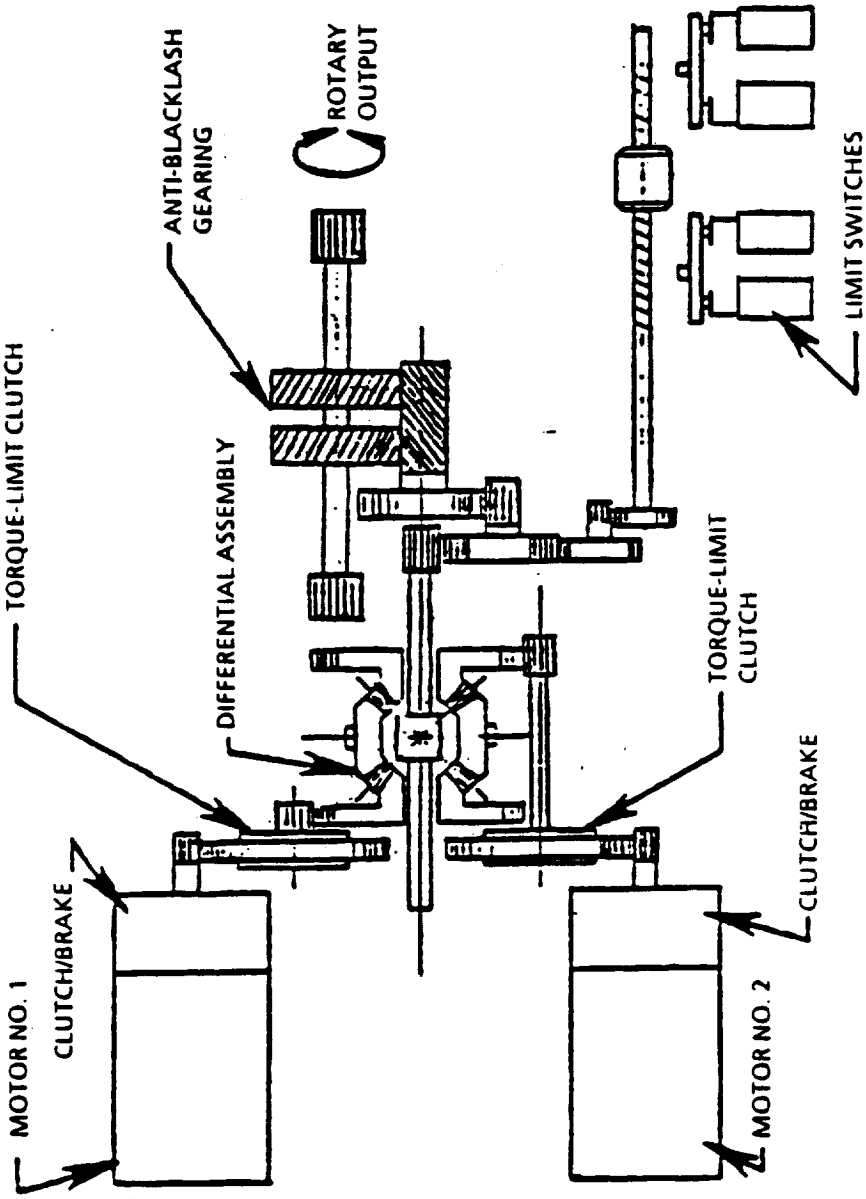


Figure 16 - POWER DRIVE UNIT (TYPICAL)

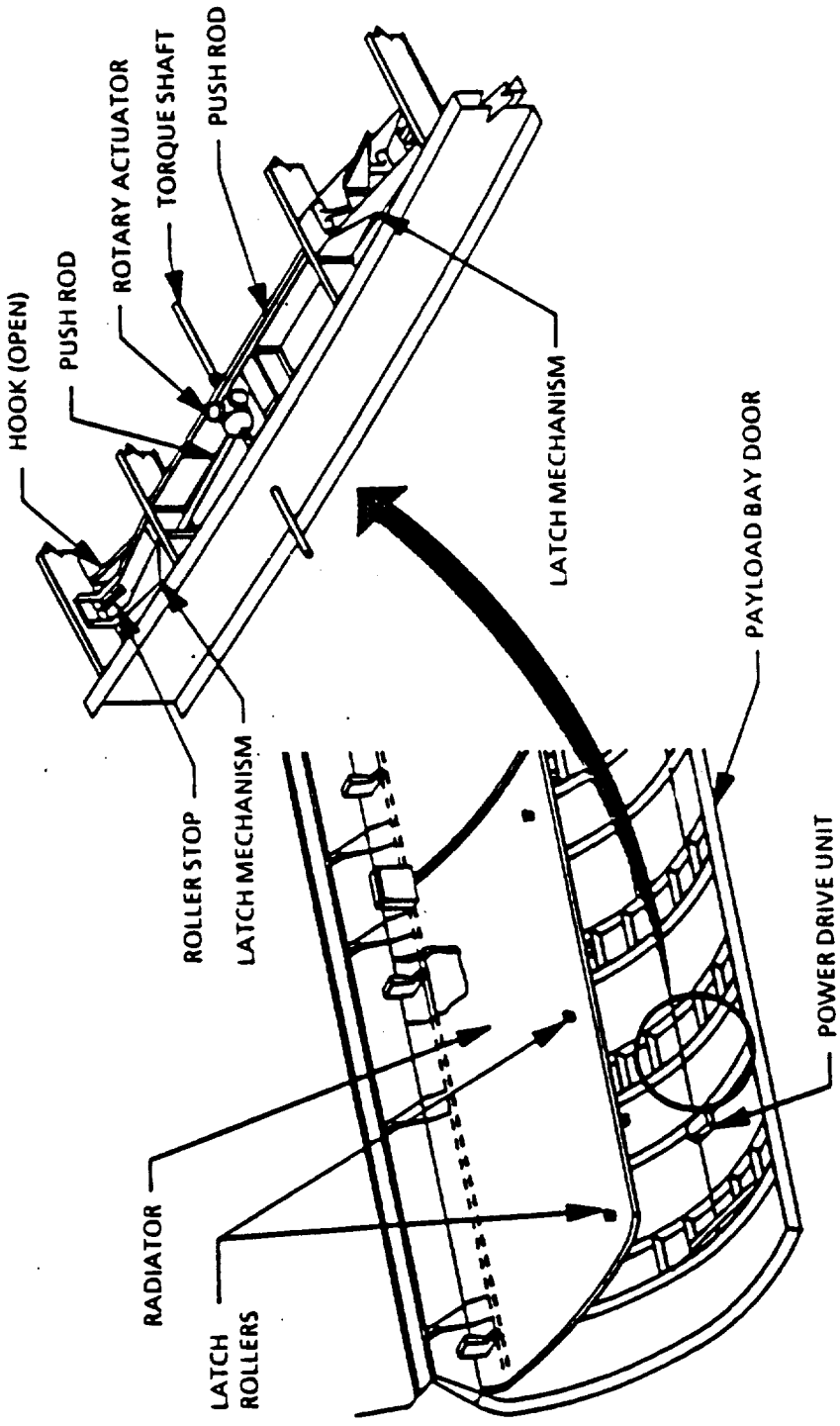


Figure 17 - RADIATOR LATCH SYSTEM

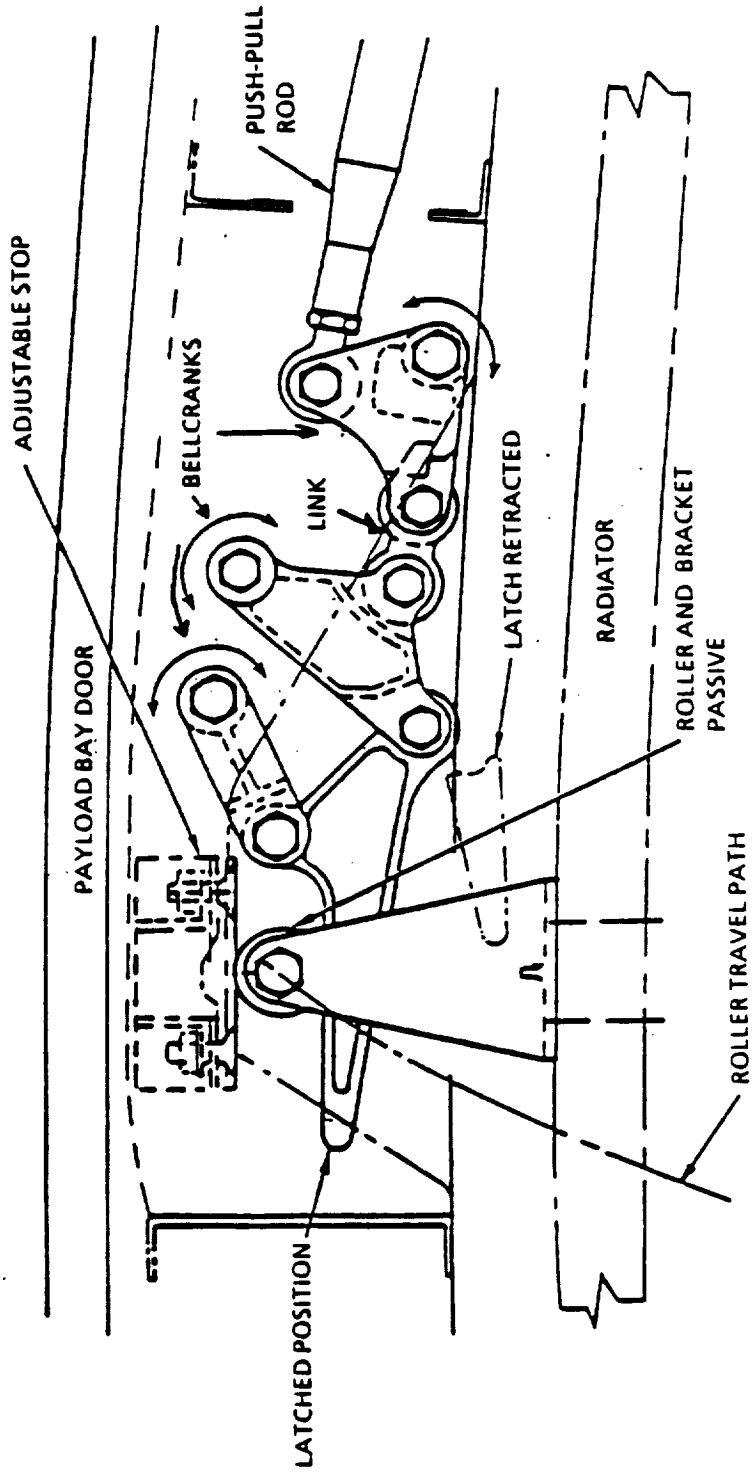


Figure 18 - RADIATOR LATCH HOOK MECHANISM

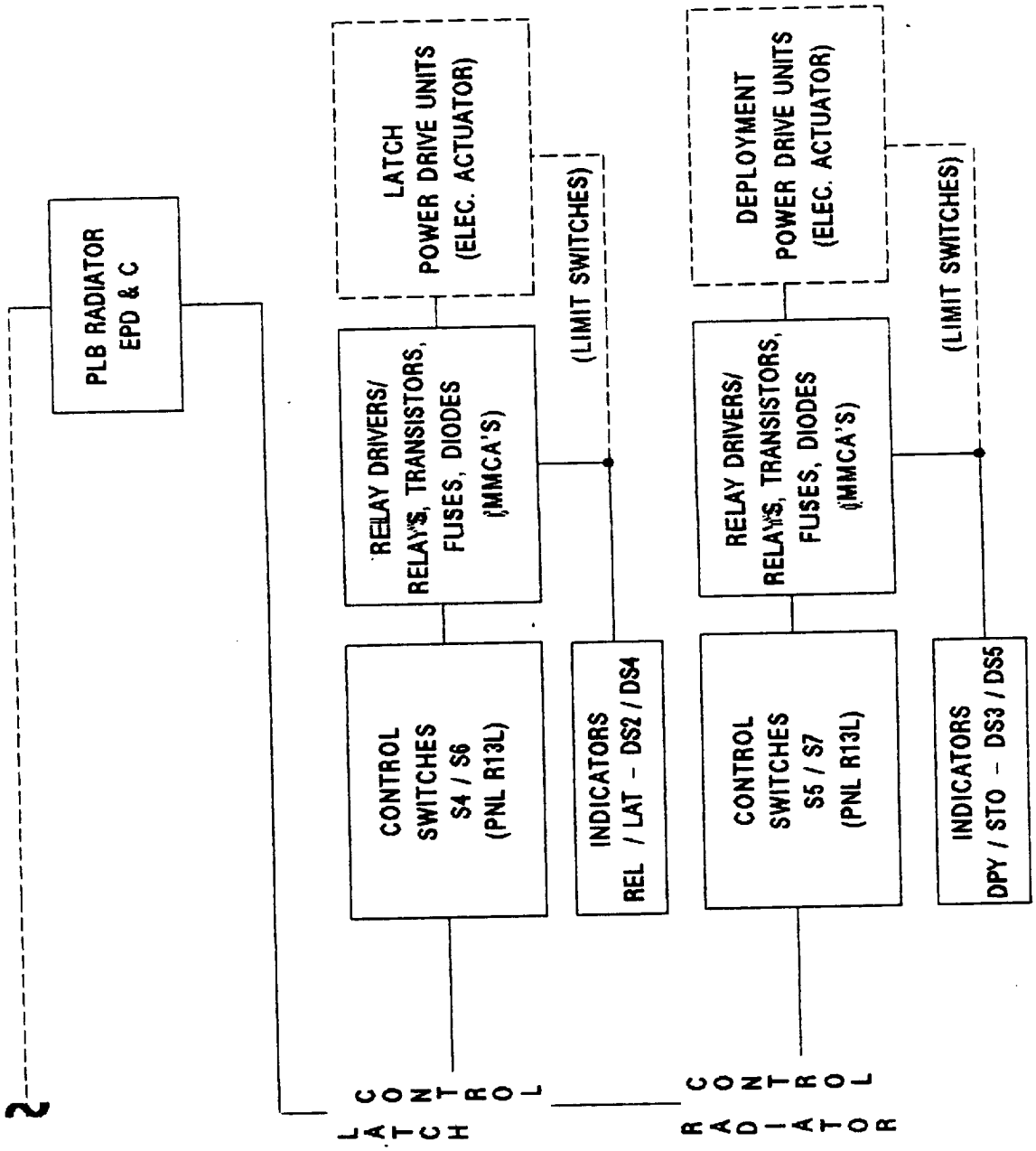
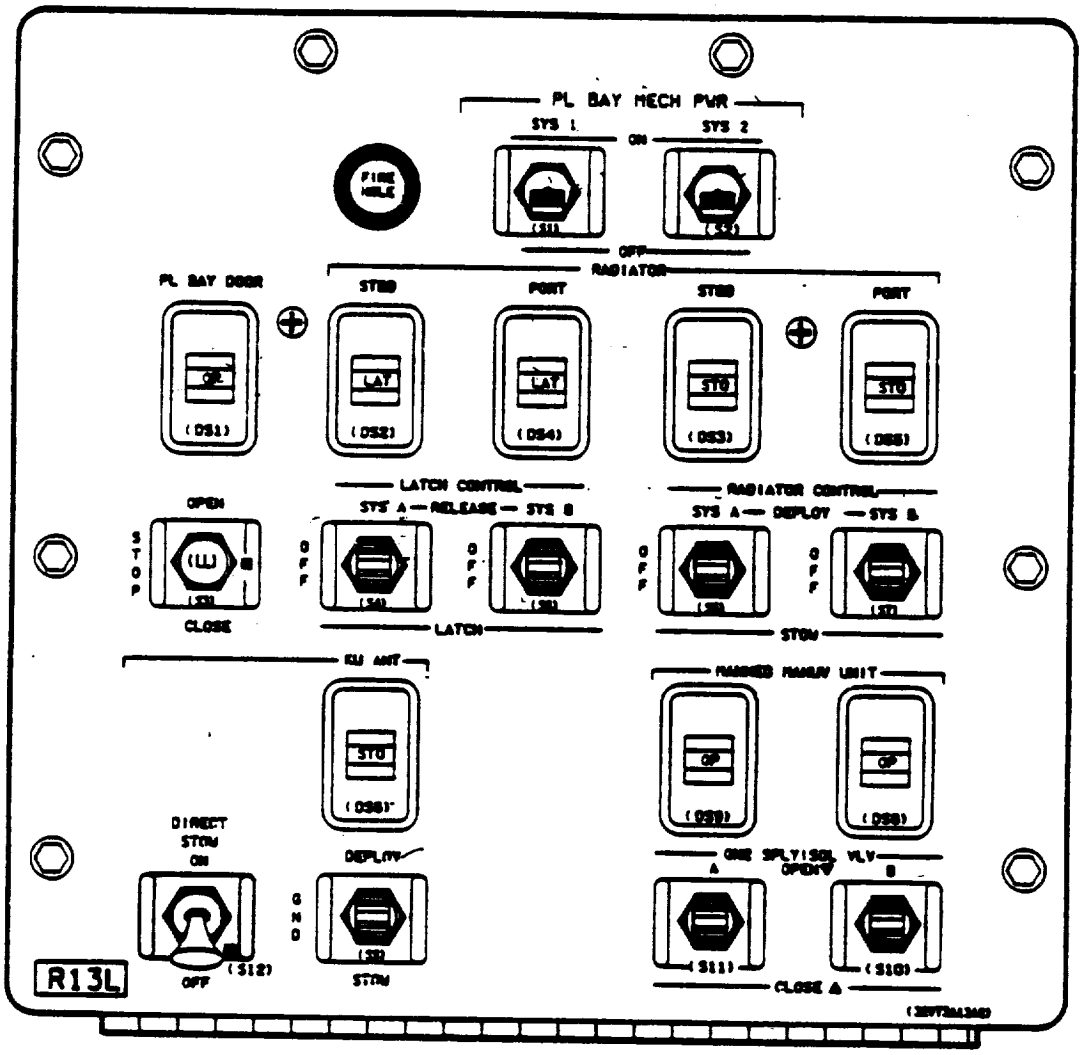


Figure 19 - PLB RADIATOR EPD&C



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OF POOR QUALITY

Figure 20 - PLB RADIATOR PANEL

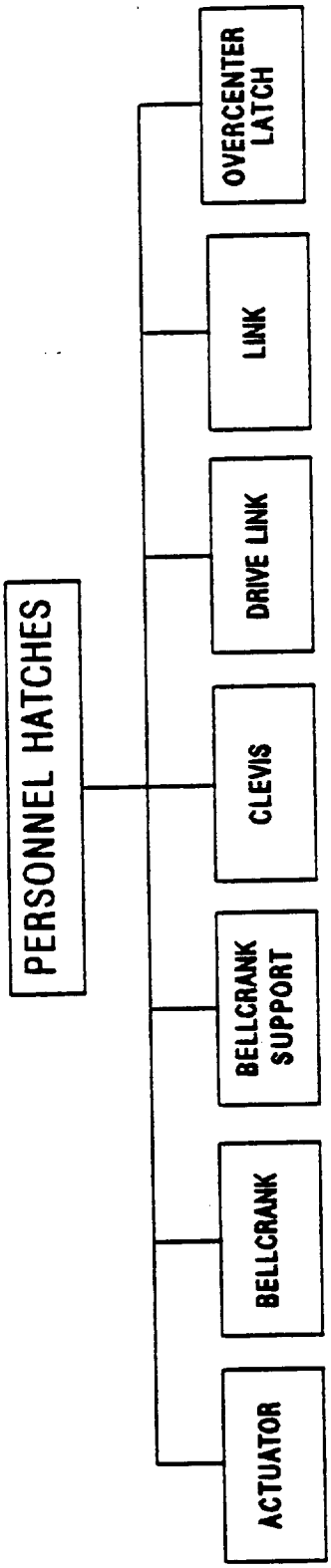


Figure 21 - PERSONNEL HATCH FUNCTIONAL DIAGRAM

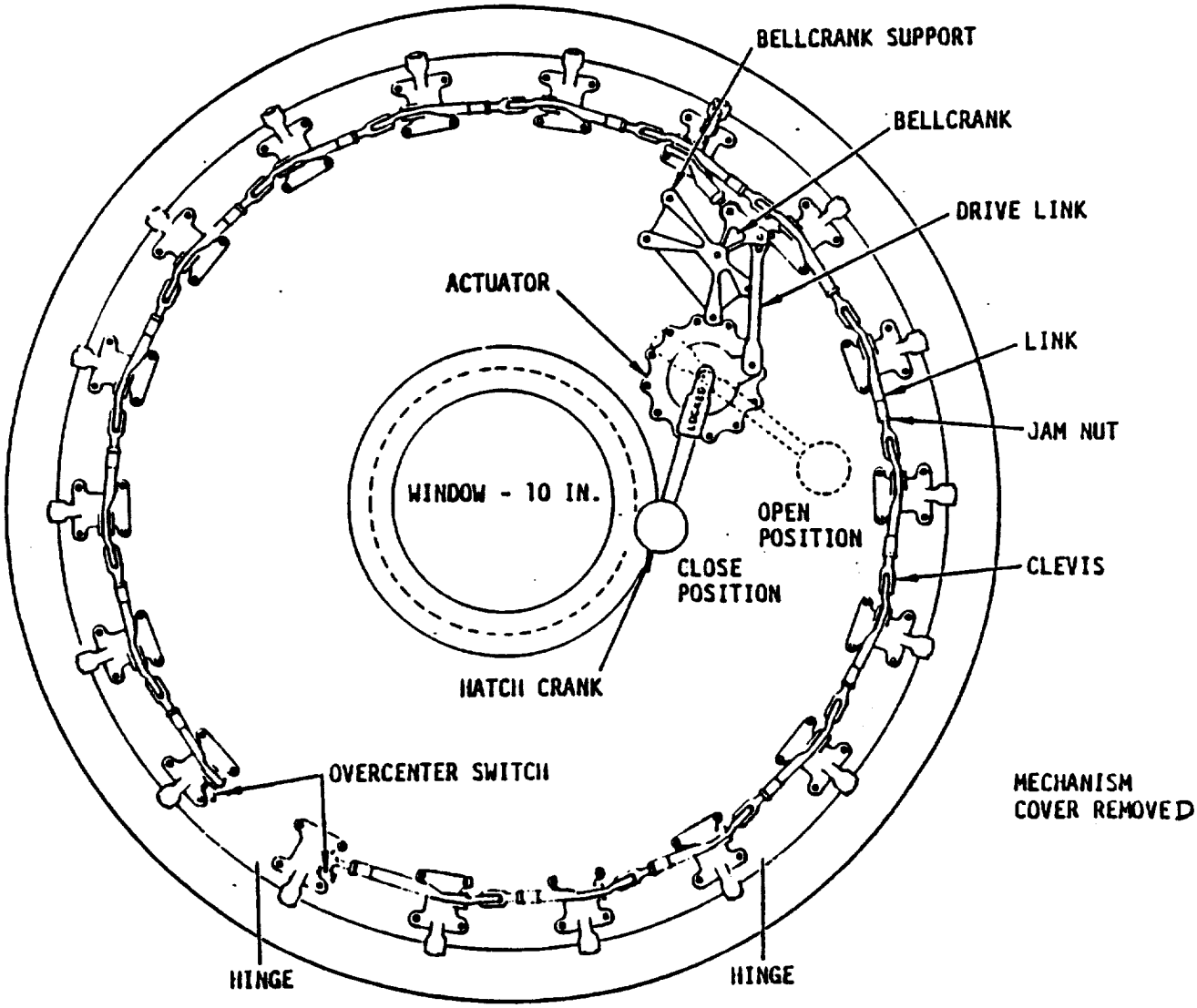


Figure 22 - INGRESS/EGRESS HATCH

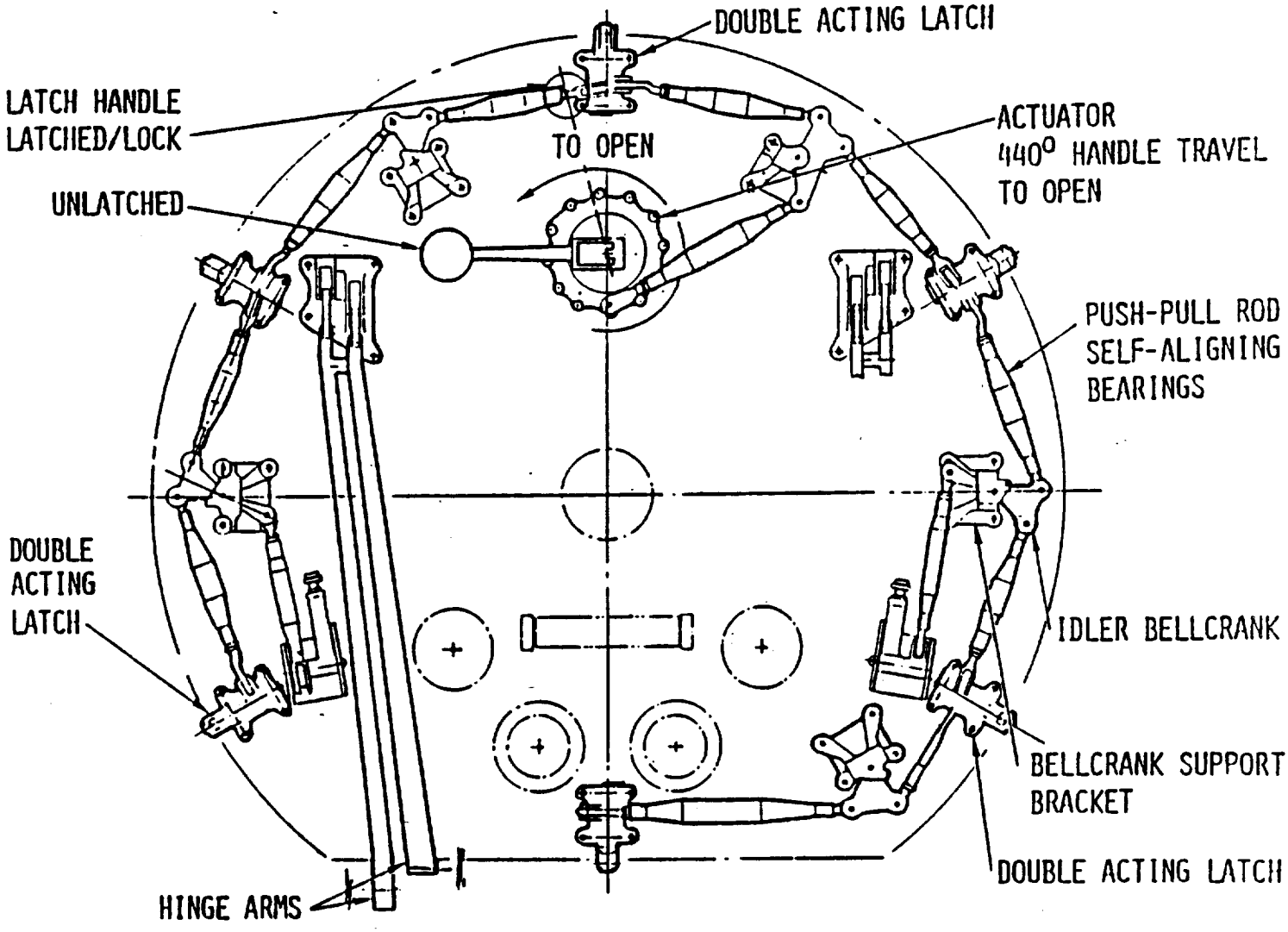


Figure 23 - AIRLOCK HATCH

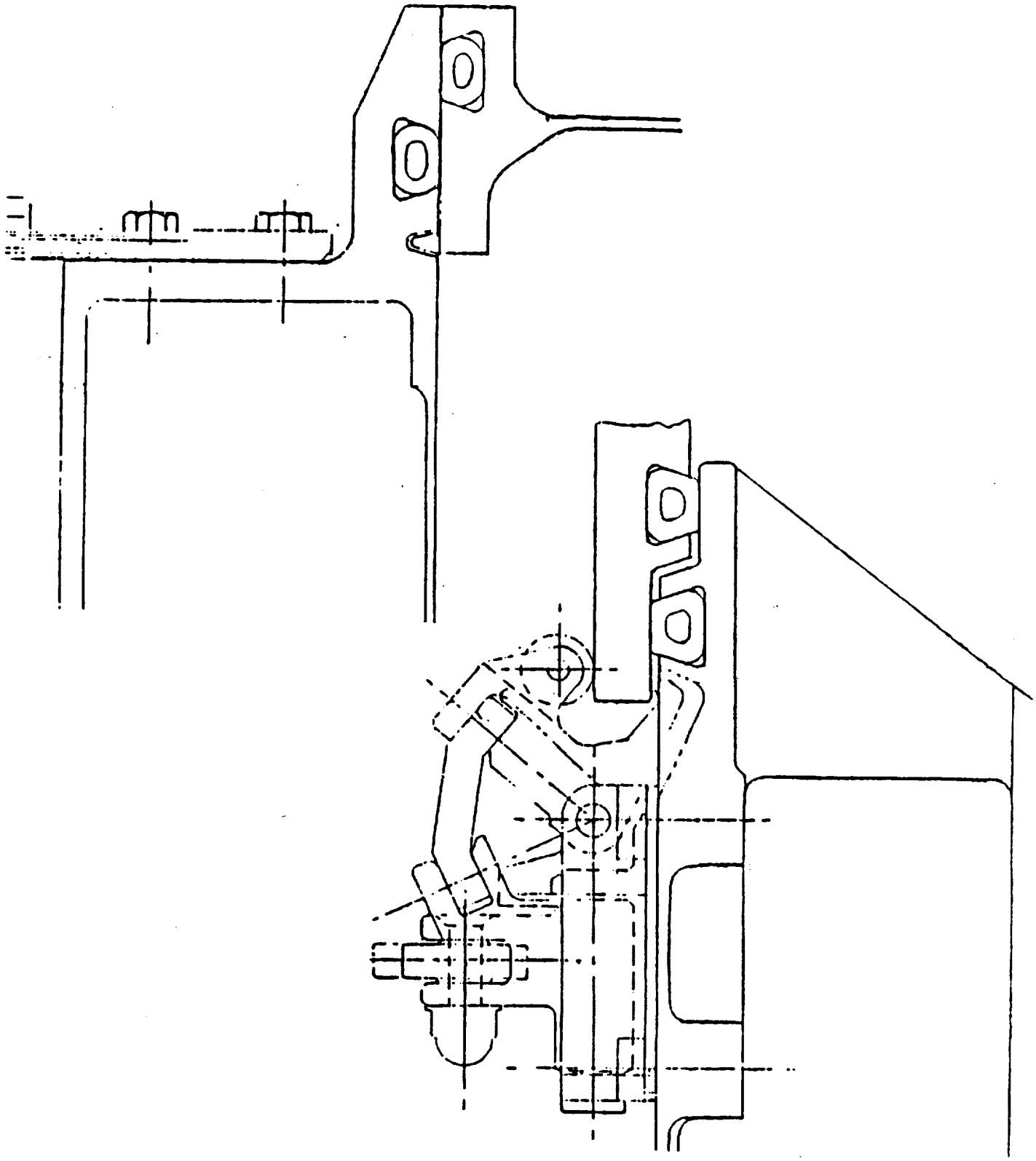


Figure 24 - HATCH SEALS

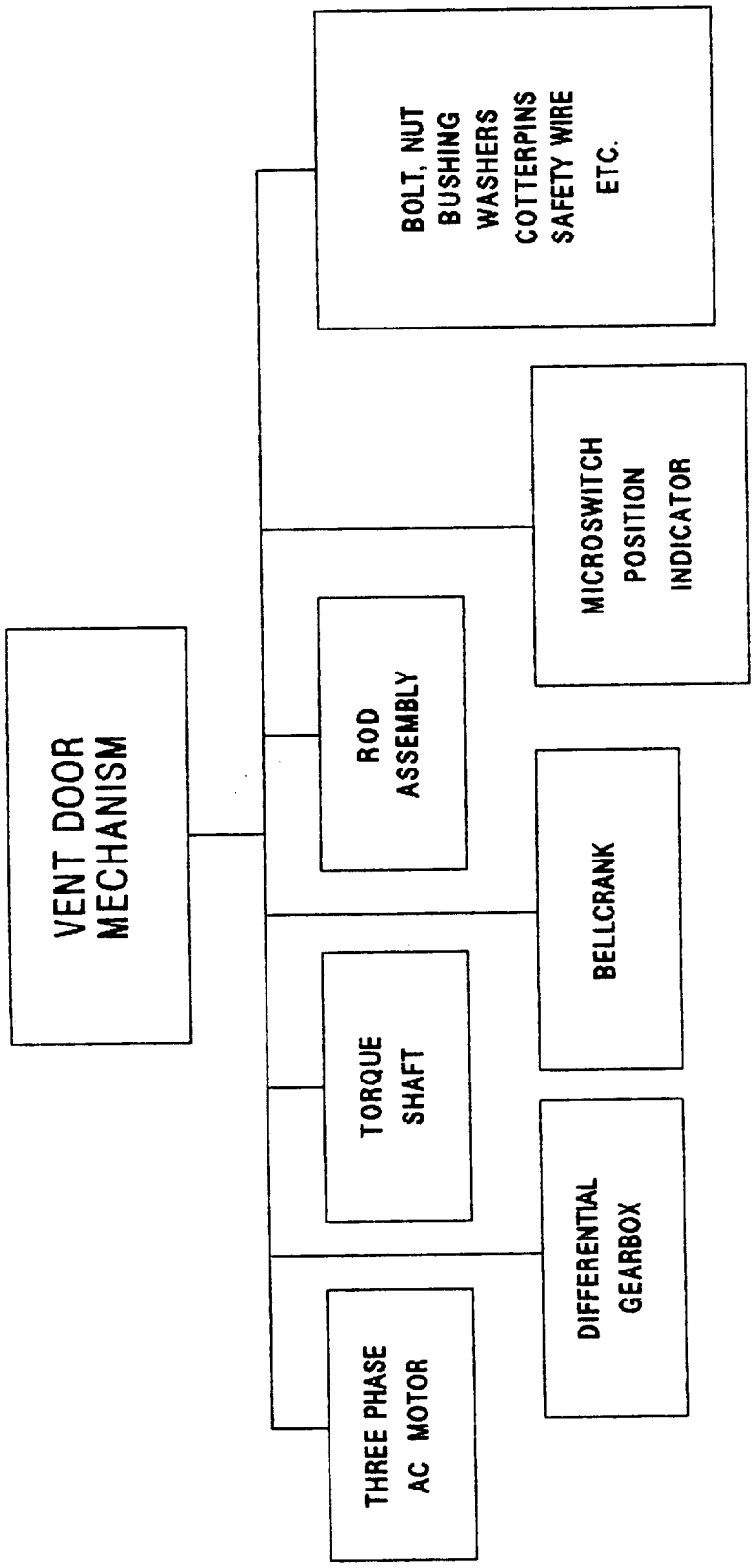


Figure 25 - VENT DOOR MECHANISM

ORBITER VENT DOOR MECHANISM LOCATION

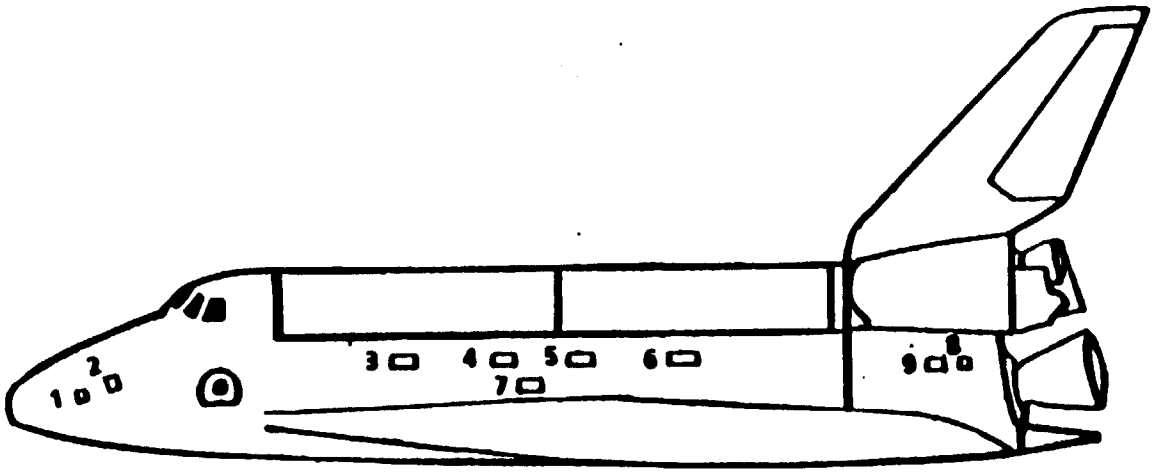


Figure 26 - VENT DOOR MECHANISM LOCATION

ALL VENTS SHOWN ARE PORT AND STARBOARD

- VENTS 1 AND 2 SHARE ACTUATOR
- VENTS 4 AND 7 SHARE ACTUATOR
- VENTS 8 AND 9 SHARE ACTUATOR
- VENTS 3,5, & 6 HAVE UNIQUE ACTUATOR
- VENTS TOTAL 18

VENT NO.	COMPARTMENT VENTED	C/L VENT LOCATIONS		
		X_o	$\pm Y_o$	Z_o
1	FWD RCS	383.05	75.27	371.01
2	FWD FUSELAGE PLENUM	399.13	79.24	374.58
3	(CARGO BAY AND LOWER MID-FUSELAGE	765.12	105	385.43
4		904.70	105	385.43
5		995.50	105	385.43
6		1127.84	105	385.43
7	WING	934.12	105	356.19
8	OMS POD (DEDICATED)	1429.29	116.49	335.50
9	AFT FUSELAGE	1389.63	112.70	357.82

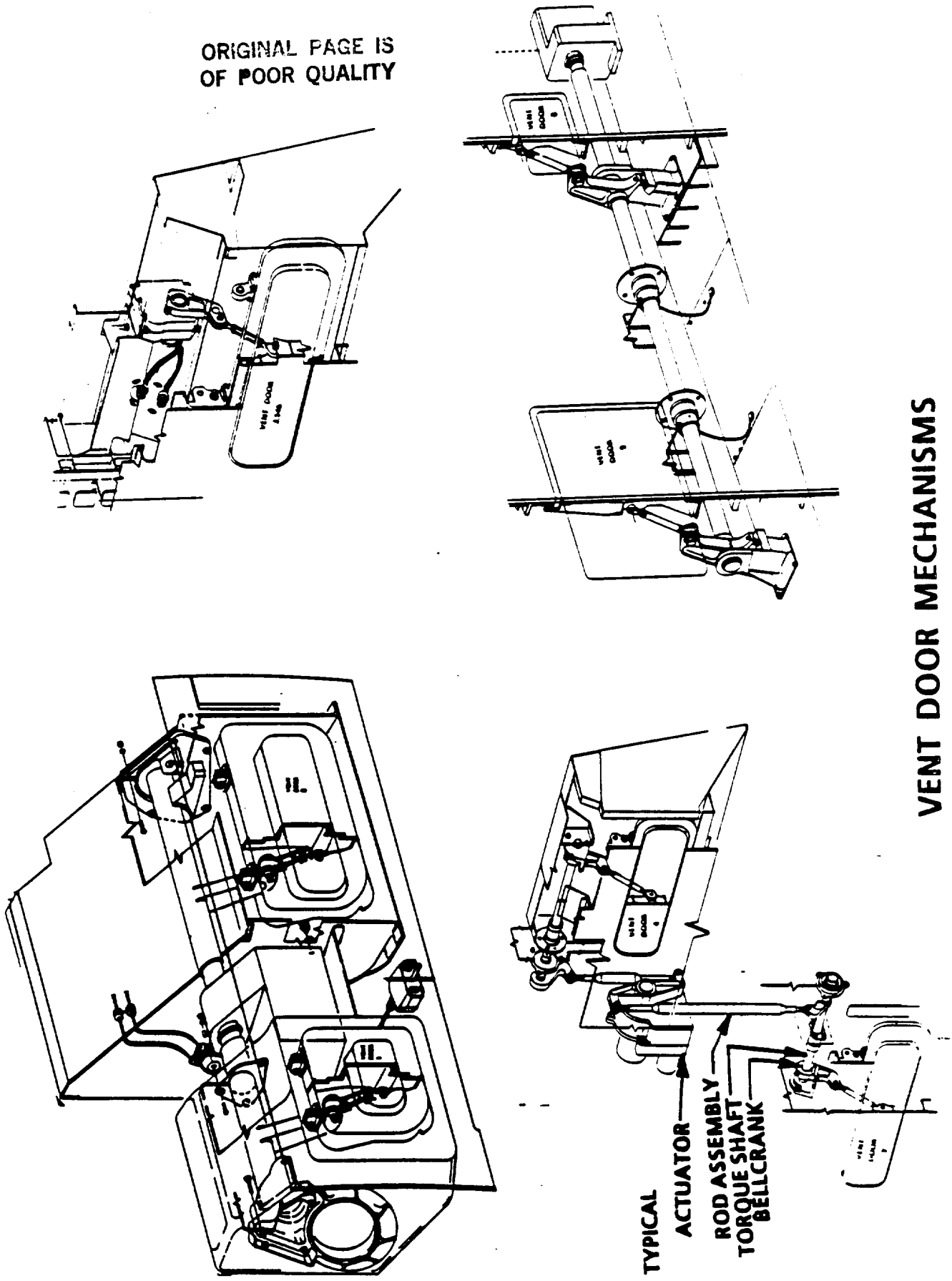


Figure 27 - VENT DOOR MECHANISM OVERVIEW

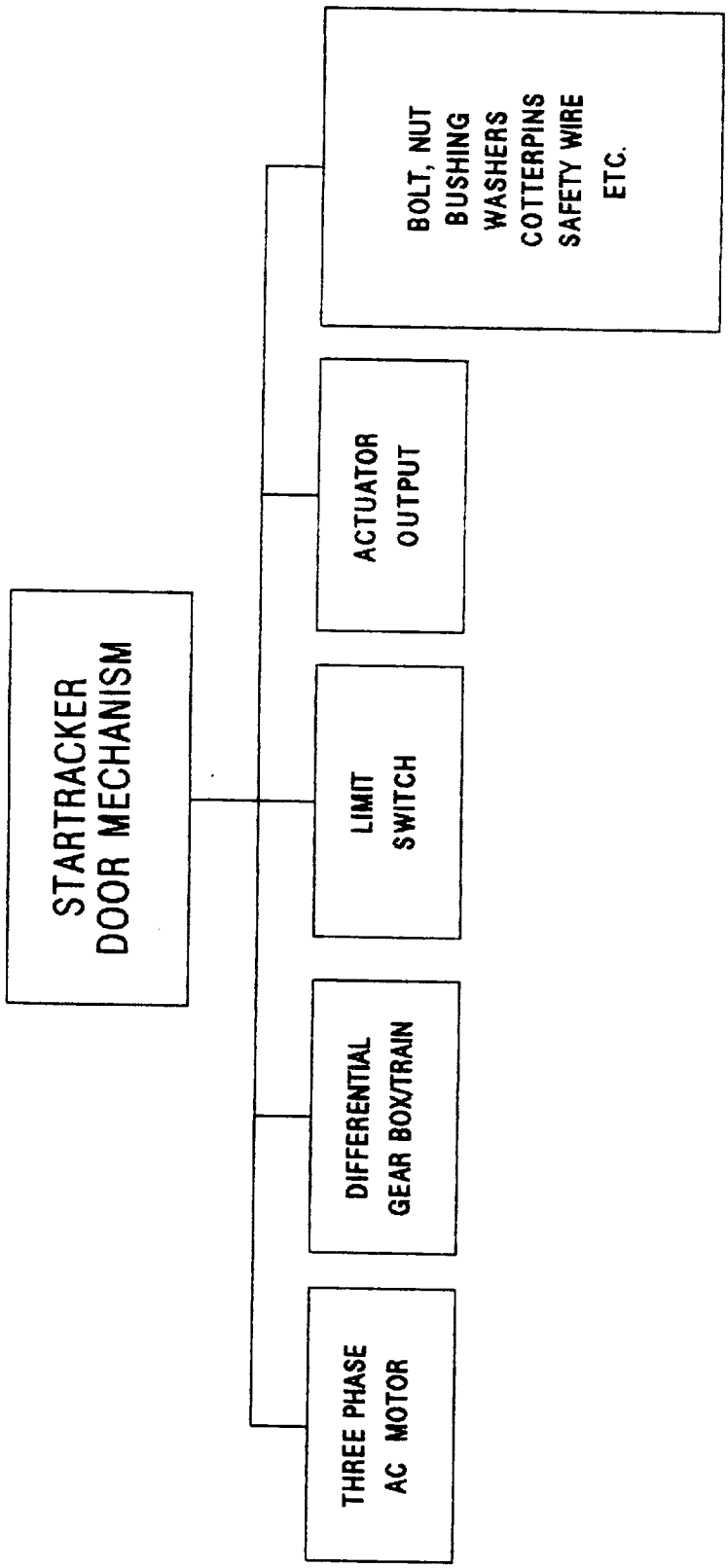
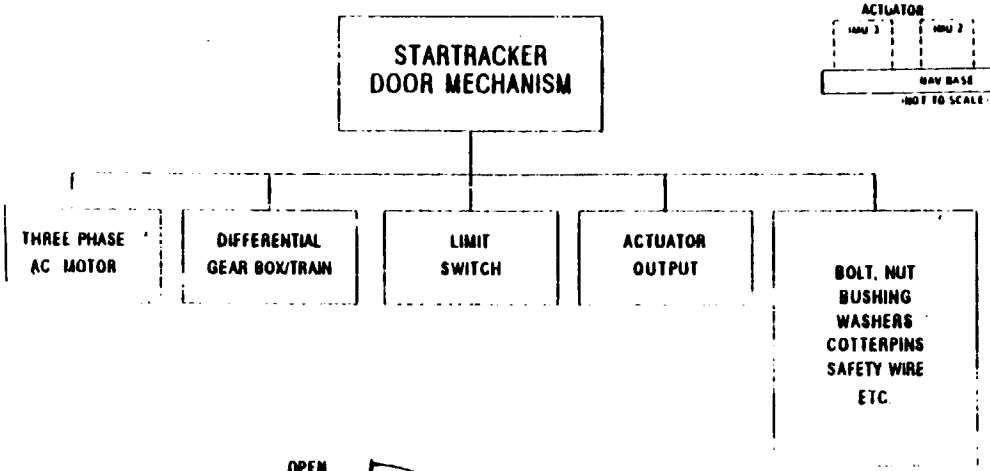
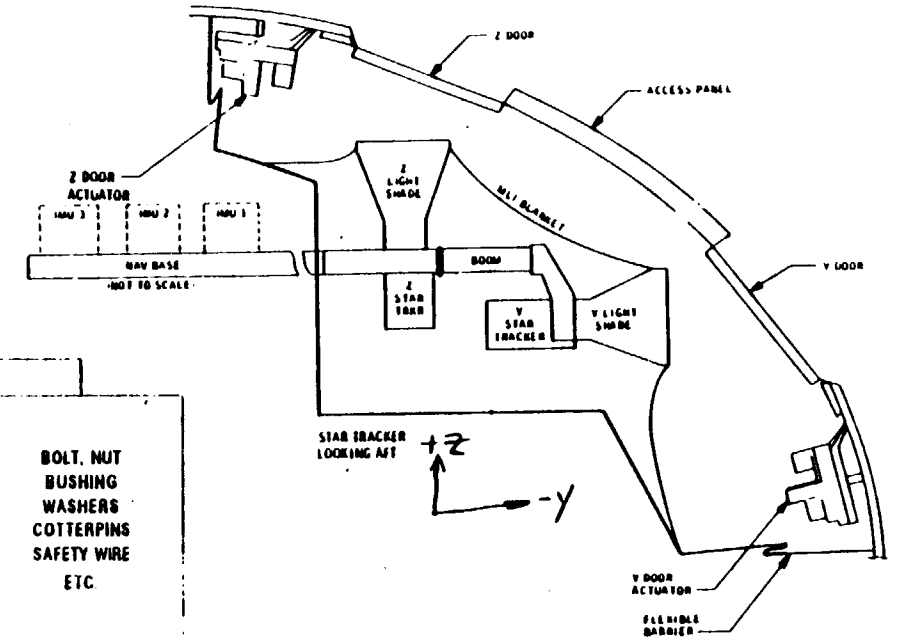
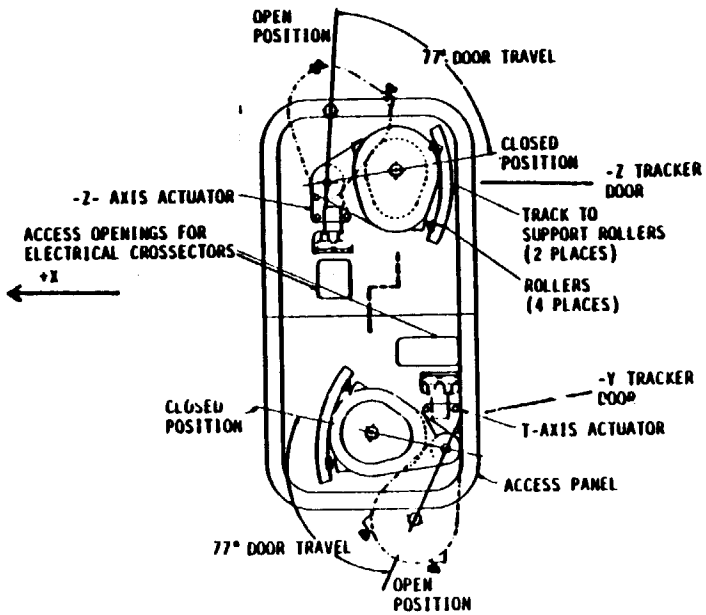


Figure 28 - STARTRACKER DOOR MECHANISM

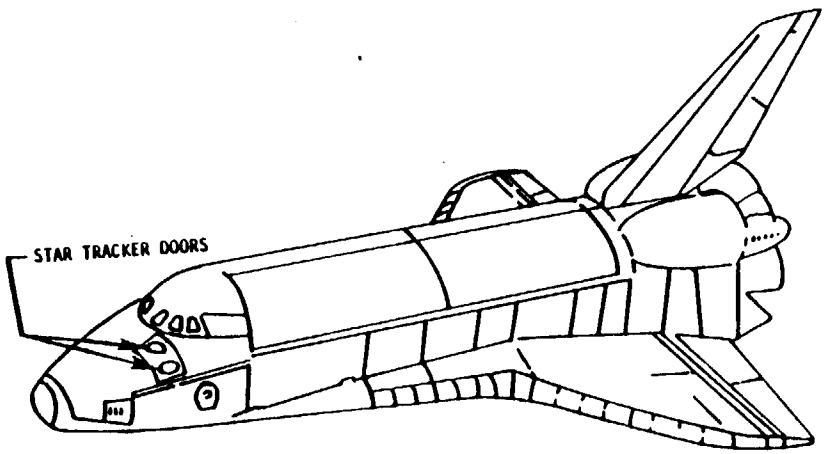




Internal View of Tracker Subsystem (looking aft)



Tracker Door Travel Directions (viewed from outside)



Star Tracker Door Locations

Figure 29 - STARTRACKER DOOR MECHANISM OVERVIEW

4.0 ASSESSMENT RESULTS

The IOA analysis of the MAS hardware initially generated 685 failure mode worksheets and identified 476 Potential Critical Items (PCIs) before starting the assessment process. In order to facilitate comparison, 28 additional failure mode analysis worksheets were generated. These analysis results were compared to the proposed NASA Post 51-L baseline (5 February, 1988) of 510 FMEAs and 252 CIL items. The discrepancy between the number of IOA and NASA FMEAs can be explained by the different approach used by NASA and IOA to group failure modes. The Level I/II presentations included detailed information on the CIL items which provided for a good comparison of the FMEA and IOA criticality results. For these items if a discrepancy existed, IOA made a specific recommendation either accepting the FMEA results or suggesting a change. The criticality summary listing showed only the criticality, screens, and the failure modes for each mechanical/electrical hardware item. Consequently, it was difficult to understand the rationale behind the criticalities in order to make an adequate assessment between the FMEA and the IOA results. In these cases if a discrepancy was noted, it was flagged as an issue pending receipt of more detailed data. However, due to the termination of the IOA task, this later process was not pursued and the discrepancies remain as marked issues. Also, due to limited time remaining on the task, no FMEA issue was discussed with the subsystem manager in order to resolve them. Upon completion of the assessment, and after proposed discussions with the NASA subsystem manager and receipt of all FMEAs, then an agreement between the NASA FMEAs and IOA failure modes would be achieved.

In the analysis and assessment report, the MAS was divided into nine sections according to hardware and function. In the following Table I, the unmapped IOA column is the raw number of IOA failure modes. The mapped IOA column is the number of IOA failure modes after they have been mapped into the NASA FMEAs. The issues column is the IOA failure modes that were unable to be mapped onto NASA FMEAs.

Table I Summary of IOA-NASA Mapping of Failure Modes				
MAS Sections	IOA Unmapped	IOA Mapped	NASA	Issues
ADP	221	79	15	40
ESP	7	6	1	1
ETU	73	87	45	24
KBD	209	80	21	129
PBD	98	103	55	34
PBR	40	39	34	7
PH	27	21	10	6
VDM	27	108	65	10
SDM	11	7	6	8
TOTAL	713	530	252	259

Appendix C presents the detailed assessment worksheets for each failure mode identified and assessed. Appendix D highlights the NASA Critical Items and corresponding IOA worksheet ID. Appendix E contains IOA analysis worksheets supplementing previous analysis results reported in Space Transportation System Engineering and Operations Support (STSEOS) Working Paper No. 1.0-WP-VA87001-03, Analysis of the MAS, 30 November, 1987. Appendix F provides a cross reference between the NASA FMEA and corresponding IOA worksheet(s). IOA recommendations are also summarized.

A summary of the quantity of NASA FMEAs assessed, versus the recommended IOA baseline, and any issues identified is presented in Table II.

Table II Summary of IOA FMEA Assessment			
MAS Sections	NASA	IOA	Issues
ADP	36	221	165
ESP	1	7	-
ETU	102	73	-
KBD	55	209	38
PBD	72	98	-
PBR	63	40	4
PH	30	27	6
VDM	132	27	-
SDM	19	11	-
TOTAL	510	713	213

A summary of the quantity of NASA CIL items assessed, versus the recommended IOA baseline, and any issues identified is presented in Table III.

Table III Summary of IOA CIL Assessment

MAS Sections	NASA	IOA	Issues
ADP	15	143	101
ESP	1	6	-
ETU	45	53	24
KBD	21	162	125
PBD	55	72	34
PBR	34	-	4
PH	10	14	12
VDM	65	26	10
SDM	6	-	-
TOTAL	252	476	310

Detailed assessment results for each of the identified failure modes are presented in Appendix E. Table IV presents a summary of the failure criticalities for each of the nine major subdivisions of the MAS. Further discussion of each of these subdivisions and the applicable failure modes is provided in subsequent paragraphs.

Table IV Summary of NASA Failure Modes By Criticality (HW/F)

Criticality :	1/1	2/1R	2/2	3/1R	3/2R	3/3	TOTAL
ADP :	1	6	0	19	0	10	36
ESP :	1	0	0	0	0	0	1
ETU :	10	26	0	29	0	37	102
KBD :	0	9	0	28	0	18	55
PBD :	15	32	2	12	2	9	72
PBR :	9	18	0	14	5	17	63
PH :	6	0	2	0	2	20	30
VDM :	22	43	0	0	0	67	132
SDM :	0	4	0	8	0	7	19
TOTAL :	64	138	4	110	9	185	510

Of the 510 failure modes analyzed, 64 failures were determined to result in loss of crew or vehicle, and 142 were determined to result in loss of mission. 252 were determined to be critical items. A summary of the NASA Critical Items is presented in Table V. Appendix D presents a cross-reference between each Critical Item and a specific worksheet in Appendix E.

Table V Summary of NASA Critical Items (HW/F)

Criticality :	1/1	2/1R	2/2	3/1R	3/2R	TOTAL
ADP :	1	6	0	8	0	15
ESP :	1	0	0	0	0	1
ETU :	10	26	0	9	0	45
KBD :	0	9	0	12	0	21
PBD :	15	32	2	6	0	55
PBR :	9	18	0	7	0	34
PH :	6	0	2	0	2	10
VDM :	22	43	0	0	0	65
SDM :	0	4	0	2	0	6
TOTAL :	64	138	4	44	2	252

The scheme for assigning IOA analysis (Appendix E) worksheet numbers is shown in Table VI.

TABLE VI IOA Worksheet Numbers		
Component	IOA ID Number MECH	EPD&C
ADP	MAS-1101 to MAS-1112	MAS-1500 to MAS-1699
ESP	MAS-2100 to MAS-2106	NA
ETU	MAS-3101 to MAS-3144	MAS-3501 to MAS-3529
KBD	MAS-4101 to MAS-4113	MAS-4500 to MAS-4687
PBD	MAS-5101 to MAS-5179	MAS-5501 to MAS-5519
PBR	MAS-6101 to MAS-6302	MAS-6501 to MAS-6510
PH	MAS-7100 to MAS-7120	NA
VDM	MAS-8100 to MAS-8109	MAS-8501 to MAS-8517
SDM	MAS-9100 to MAS-9108	MAS-9500 to MAS-9501

4.1 Assessment Results - Air Data Probe

The ADP assessment examined the components required to deploy the Orbiter Air Data Probes. The assessment identified 8 mechanical and 28 EPD&C failure modes. The assessment results identified 5 mechanical and 10 EPD&C CIs and these are listed in Appendix D.

4.2 Assessment Results - Elevon Seal Panel

The ESP assessment examined the components of the 34 outboard and inboard ESP linkage mechanisms. The assessment identified 1 mechanical failure mode and 1 mechanical CI which is listed in Appendix D.

4.3 Assessment Results - External Tank Umbilical

The ETU assessment examined the components required to protect the Orbiter ET Umbilical Cavities from entry heating. The assessment identified 32 mechanical and 70 EPD&C failure modes. The assessment results identified 21 mechanical and 24 EPD&C CIs and these are listed in Appendix D.

4.4 Assessment Results - Ku Band Deploy

The KBD assessment examined the components required to deploy/stow the Ku-Band Antenna. The assessment identified 55 EPD&C failure modes. The assessment results identified 21 CIs and these are listed in Appendix D.

4.5 Assessment Results - Payload Bay Doors

The PBD assessment examined the components used to open and close the Payload Bay Doors. The assessment identified 57 mechanical and 15 EPD&C failure modes. The assessment results identified 46 mechanical and 9 EPD&C CIs and these are listed in Appendix D.

4.6 Assessment Results - Payload Bay Radiators

The PBR assessment examined the components involved in latching and releasing, and deploying and stowing the Payload Bay Radiators. The assessment identified 36 mechanical and 27 EPD&C failure modes. The assessment results identified 29 mechanical and 5 EPD&C CIs and these are listed in Appendix D.

4.7 Assessment Results - Personnel Hatches

The PH assessment examined the possible failures in the components used to open and close the personnel hatches. The assessment identified 30 mechanical failure modes. There were 10 mechanical CIs identified and these are listed in Appendix D.

4.8 Assessment Results - Vent Door Mechanism

The VDM assessment examined the components involved in opening/closing the Active Vent Doors and providing purge control via these vent ports. The assessment identified 49 mechanical and 83 EPD&C failure modes. The assessment results identified 43 mechanical and 22 EPD&C CIs and these are listed in Appendix D. The NASA documentation for this subsystem includes two additional FMEA/CILs (01-5B-380133-2 & 4-2). These FMEA/CILs are on hardware for passive venting of the wing cavities during ascent and descent and are included in P V & D Assessment Working Paper no 1.0-WP-VA8805-02 dated 5 February, 1988.

4.9 Assessment Results - Startracker Door

The SDM assessment examined the components required to open/close the Startracker Doors. The assessment identified 8 mechanical and 11 EPD&C failure modes. The assessment results identified 4 mechanical and 2 EPD&C CIs and these are listed in Appendix D.

5.0 REFERENCES

Reference documentation available from NASA and Rockwell was used in the analysis. The documentation used includes the following:

1. JSC-18341 — Mechanical Systems Console Handbook, Volume I, 3-1-85 & Volume II, 2-28-85.
2. JSC-18863 — Shuttle Operations, Guidance Navigation & Control, 9-30-85.
3. JSC-08934 — Shuttle Operational Data Book Rev. D, 10-1-84.
4. VS70-971102 — Integrated System Schematic Rev. D, 9-28-85.
5. JSC-12770 — Shuttle Flight Operations Manual, Volume 2, Electrical Power Systems, 11-28-84.
6. JSC-12820 — STS Operational Flight Rules, Final PCN-1, 4-16-87.
7. JSC-11174 — Space Shuttle System Handbook, Rev. C, DCN-5, 9-13-85.
8. V72 Vol III — Operations and Maintenance Requirements and Specification Document - Orbiter OMRSD.
9. VS70-973099 — Integrated System Schematic, Rev. A10, 10-17-85.
10. SD72-SH-0102-12 — Requirements/Definition Document Rendezvous Radar Deployment Mechanisms Volume 2-12, 11-1-75.
11. VS72-956099 — Integrated System Schematic, Mechanical & Payload Systems, 2-11-85.
12. NSTS 22206 — Instructions for Preparation of Failure Modes and Effects Analysis (FMEA) and Critical Items List (CIL), change 2, PRCBD 40107D, 3-28-87.
13. STRK/COAS 2102 — Star Tracker/Crew Optical Alignment Sight Workbook, 9-30-83.
14. VS70-590509 — Schematic Diagram - Active Vent Door Subsystem, Rev-C, 1-17-85.

15. SSV 87-89	Presentation to NSTS Level I/II Review Board Air Data Probe Deployment Mechanism - Mechanical/EPD&C FMEA/CIL Review December 14,1987.
16. SSV 87-87	Presentation to NSTS Level I/II Review Board Elevon Seal Panel Mechanism FMEA/CIL Review December 14,1987.
17. SSV 88-32	Presentation to NSTS Level I/II Review Board Orbiter/External Tank - Umbilical Door Mechanism Subsystem Mechanical and EPD&C FMEA/CIL Review January 29,1988.
18. 107SSV201137	Presentation to NSTS Level I/II Review Board Ku-Band Antenna Deployment - EPD&C FMEA/CIL Review.
19. SSV 88-34	Presentation to NSTS Level I/II Review Board Payload Bay Door Mechanism - Subsystem Mechanical and EPD&C FMEA/CIL Review.
20. SSV 88-33	Presentation to NSTS Level I/II Review Board Radiator Mechanism Subsystem Mechanical and EPD&C FMEA/CIL Review.
21. 107SSV197655A	Presentation to NSTS Level I/II Review Board Personnel Hatches - Mechanical FMEA/CIL Review November 20, 1987.
22. 117SSV205531	Presentation to NSTS Level I/II Review Board Vent Door Mechanisms Subsystem Mechanical and EPD&C FMEA/CIL Review.
23. SSV 87-88	Presentation to NSTS Level I/II Review Board Star Tracker Doors - Mechanical/ EPD&C FMEA/CIL Review December 14, 1987.

APPENDIX A
ACRONYMS

AC - Alternating Current
ADP - Air Data Probe
AOA - Abort Once Around
ATCS - Active Thermal Control System
ATO - Abort To Orbit
BLKHD - Bulkhead
CI - Critical Item
CIL - Critical Items List
CL - Center Line
CRIT - Criticality
DPS - Data Processing System
ESP - Elevon Seal Panel
ET - External Tank
ETU - External Tank Umbilical
ETUD - ETU Door
EVA - Extravehicular Activity
F - Functional
FM - Failure Mode
FMEA - Failure Mode and Effects Analysis
GFE - Government Furnished Equipment
GN&C - Guidance, Navigation and Control
HW - Hardware
IOA - Independent Orbiter Assessment
KBD - Ku-Band Deploy
LRU - Line Replaceable Unit
MAS - Mechanical Actuation System
MDAC - McDonnell Douglas Astronautics Company
MTR - Motor
NA - Not Applicable
NASA - National Aeronautics and Space Administration
NSTS - National Space Transportation System
OMRSD - Operational Maintenance Requirements and Specifications Document
OMS - Orbital Maneuvering System
PCI - Potential Critical Item
PDU - Power Drive Unit
PH - Personnel Hatches
PLB - Payload Bay
PBD - Payload Bay Doors
PBR - Payload Bay Radiator
RI - Rockwell International
RM - Redundancy Management
RPC - Remote Power Controller
RS - Redundant Set
RTLS - Return To Landing Site
SDM - Startracker Door Mechanism
SM - Systems Management
STS - Space Transportation System
SW - Switch

ACRONYMS

TAL - Transatlantic Abort Landing
TD - Touch Down
THC - Translational Hand Controller
TLC - Torque Limit Clutch
VDC - Volts Direct Current
VDM - Vent Door Mechanism

APPENDIX B

DEFINITIONS, GROUND RULES, AND ASSUMPTIONS

APPENDIX B
DEFINITIONS, GROUND RULES, AND ASSUMPTIONS

B.1 Definitions

Definitions contained in NSTS 22206, Instructions For Preparation of FMEA/CIL, 10 October 1986, were used with the following amplifications and additions.

INTACT ABORT DEFINITIONS:

RTLS - begins at transition to OPS 6 and ends at transition to OPS 9, post-flight

TAL - begins at declaration of the abort and ends at transition to OPS 9, post-flight

AOA - begins at declaration of the abort and ends at transition to OPS 9, post-flight

ATO - begins at declaration of the abort and ends at transition to OPS 9, post-flight

CREDIBLE (CAUSE) - an event that can be predicted or expected in anticipated operational environmental conditions. Excludes an event where multiple failures must first occur to result in environmental extremes

CONTINGENCY CREW PROCEDURES - procedures that are utilized beyond the standard malfunction procedures, pocket checklists, and cue cards

EARLY MISSION TERMINATION - termination of on-orbit phase prior to planned end of mission

EFFECTS/RATIONALE - description of the case which generated the highest criticality

HIGHEST CRITICALITY - the highest functional criticality determined in the phase-by-phase analysis

MAJOR MODE (MM) - major sub-mode of software operational sequence (OPS)

MC - Memory Configuration of Primary Avionics Software System (PASS)

MISSION - assigned performance of a specific Orbiter flight with payload/objective accomplishments including orbit phasing and altitude (excludes secondary payloads such as GAS cans, middeck P/L, etc.)

MULTIPLE ORDER FAILURE - describes the failure due to a single cause or event of all units which perform a necessary (critical) function

OFF-NOMINAL CREW PROCEDURES - procedures that are utilized beyond the standard malfunction procedures, pocket checklists, and cue cards

OPS - software operational sequence

PRIMARY MISSION OBJECTIVES - worst case primary mission objectives are equal to mission objectives

PHASE DEFINITIONS:

PRELAUNCH PHASE - begins at launch count-down Orbiter power-up and ends at moding to OPS Major Mode 102 (liftoff)

LIFTOFF MISSION PHASE - begins at SRB ignition (MM 102) and ends at transition out of OPS 1 (Synonymous with ASCENT)

ONORBIT PHASE - begins at transition to OPS 2 or OPS 8 and ends at transition out of OPS 2 or OPS 8

DEORBIT PHASE - begins at transition to OPS Major Mode 301 and ends at first main landing gear touchdown

LANDING/SAFING PHASE - begins at first main gear touchdown and ends with the completion of post-landing safing operations

APPENDIX B
DEFINITIONS, GROUND RULES, AND ASSUMPTIONS

B.2 IOA Project Level Ground Rules and Assumptions

The philosophy embodied in NSTS 22206, Instructions for Preparation of FMEA/CIL, 10 October 1986, was employed with the following amplifications and additions.

1. The operational flight software is an accurate implementation of the Flight System Software Requirements (FSSRs).

   RATIONALE: Software verification is out-of-scope of this task.

2. After liftoff, any parameter which is monitored by system management (SM) or which drives any part of the Caution and Warning System (C&W) will support passage of Redundancy Screen B for its corresponding hardware item.

   RATIONALE: Analysis of on-board parameter availability and/or the actual monitoring by the crew is beyond the scope of this task.

3. Any data employed with flight software is assumed to be functional for the specific vehicle and specific mission being flown.

   RATIONALE: Mission data verification is out-of-scope of this task.

4. All hardware (including firmware) is manufactured and assembled to the design specifications/drawings.

   RATIONALE: Acceptance and verification testing is designed to detect and identify problems before the item is approved for use.

5. All Flight Data File crew procedures will be assumed performed as written, and will not include human error in their performance.

   RATIONALE: Failures caused by human operational error are out-of-scope of this task.

6. All hardware analyses will, as a minimum, be performed at the level of analysis existent within NASA/Prime Contractor Orbiter FMEA/CILs, and will be permitted to go to greater hardware detail levels but not lesser.

RATIONALE: Comparison of IOA analysis results with other analyses requires that both analyses be performed to a comparable level of detail.

7. Verification that a telemetry parameter is actually monitored during AOS by ground-based personnel is not required.

RATIONALE: Analysis of mission-dependent telemetry availability and/or the actual monitoring of applicable data by ground-based personnel is beyond the scope of this task.

8. The determination of criticalities per phase is based on the worst case effect of a failure for the phase being analyzed. The failure can occur in the phase being analyzed or in any previous phase, whichever produces the worst case effects for the phase of interest.

RATIONALE: Assigning phase criticalities ensures a thorough and complete analysis.

9. Analysis of wire harnesses, cables, and electrical connectors to determine if FMEAs are warranted will not be performed nor FMEAs assessed.

RATIONALE: Analysis was substantially complete prior to NSTS 22206 ground rule redirection.

10. Analysis of welds or brazed joints that cannot be inspected will not be performed nor FMEAs assessed.

RATIONALE: Analysis was substantially complete prior to NSTS 22206 ground rule redirection.

11. Emergency system or hardware will include burst discs and will exclude the EMU Secondary Oxygen Pack (SOP), pressure relief valves and the landing gear pyrotechnics.

RATIONALE: Clarify definition of emergency systems to ensure consistency throughout IOA project.

B.3 MAS-Specific Ground Rules and Assumptions

The IOA analysis was performed to the component or assembly level of the Orbiter Mechanical Actuation System. The analysis considered the worst case effects of the hardware or functional failure on the subsystem, mission, and crew and vehicle safety.

APPENDIX C
DETAILED ASSESSMENT

This section contains the IOA assessment worksheets generated during the assessment of this subsystem. The information on these worksheets facilitates the comparison of the NASA FMEA/CIL (Pre and Post 51-L) to the IOA detailed analysis worksheets included in Appendix E. Each of these worksheets identifies the NASA FMEA being assessed, corresponding MDAC Analysis Worksheet ID (Appendix E), hardware item, criticality, redundancy screens, and recommendations. For each failure mode, the highest assessed hardware and functional criticality is compared and discrepancies noted as "N" in the compare row under the column where the discrepancy occurred.

LEGEND FOR IOA ASSESSMENT WORKSHEETS

Hardware Criticalities:
- 1 = Loss of life or vehicle
- 2 = Loss of mission or next failure of any redundant item (like or unlike) could cause loss of life/vehicle
- 3 = All others

Functional Criticalities:
- 1R = Redundant hardware items (like or unlike) all of which, if failed, could cause loss of life or vehicle
- 2R = Redundant hardware items (like or unlike) all of which, if failed, could cause loss of mission

Redundancy Screens A, B and C:
- P = Passed Screen
- F = Failed Screen
- NA = Not Applicable

NASA Data :
- Baseline = NASA FMEA/CIL
- New = Baseline with Proposed Post 51-L Changes

CIL Item :
- X = Included in CIL

Compare Row :
- N = Non compare for that column (deviation)

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/05/88
ASSESSMENT ID: MECH/ADP-1105
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/ADP
MDAC ID: 1105
ITEM: PROBE

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [A] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
NO NASA FMEA ADDRESSING THE PROBE DEVICE FOR THESE TWO FAILURE MODES, IDENTIFIED BY IOA; A JAMMED PROBE DEVICE AND A CLOGGED PROBE PRESSURE PORT.
THE DISCREPANCY BETWEEN FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/05/88
ASSESSMENT ID: MECH/ADP-1106
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/ADP
MDAC ID: 1106
ITEM: PROBE

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [A] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
NO NASA FMEA ADDRESSING THE PROBE DEVICE FOR THESE TWO FAILURE MODES, IDENTIFIED BY IOA; A JAMMED PROBE DEVICE AND A CLOGGED PROBE PRESSURE PORT.
THE DISCREPANCY BETWEEN FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/06/88
ASSESSMENT ID: MECH/ADP-1107
NASA FMEA #:

NASA DATA:
BASELINE [X]
NEW [ ]

SUBSYSTEM: MECH/ADP
MDAC ID: 1107
ITEM: SHAFT

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [A] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
NO NASA FMEA FOUND SPECIFICALLY ADDRESSING THE FAILURE OF THE PROBE SHAFT. TWO FAILURE MODES IDENTIFIED BY IOA TASK; BROKEN SHAFT AND/OR BENT SHAFT.
THE DISCREPANCY BETWEEN FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/06/88
ASSESSMENT ID: MECH/ADP-1108
NASA FMEA #:

NASA DATA:
BASELINE [X]
NEW [ ]

SUBSYSTEM: MECH/ADP
MDAC ID: 1108
ITEM: SHAFT

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[A] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
NO NASA FMEA FOUND SPECIFICALLY ADDRESSING THE FAILURE OF THE PROBE SHAFT. TWO FAILURE MODES IDENTIFIED BY IOA TASK; BROKEN SHAFT AND/OR BENT SHAFT.
THE DISCREPANCY BETWEEN FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/06/88
ASSESSMENT ID: MECH/ADP-1109
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/ADP
MDAC ID: 1109
ITEM: DEPLOY MICROSWITCH

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/06/88
ASSESSMENT ID: MECH/ADP-1110
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/ADP
MDAC ID: 1110
ITEM: DEPLOY MICROSWITCH

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/06/88
ASSESSMENT ID: MECH/ADP-1111
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/ADP
MDAC ID: 1111
ITEM: STOW MICROSWITCH

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/06/88
ASSESSMENT ID: MECH/ADP-1112
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/ADP
MDAC ID: 1112
ITEM: STOW MICROSWITCH

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
ASSESSMENT ID: MECH/ADP-1556
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/ADP/EPD&C
MDAC ID: 1556
ITEM: +28V CONTACT #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
ASSESSMENT ID: MECH/ADP-1557
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/ADP/EPD&C
MDAC ID: 1557
ITEM: +28V CONTACT #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
ASSESSMENT ID: MECH/ADP-1558
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/ADP/EPD&C
MDAC ID: 1558
ITEM: +28V CONTACT #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
ASSESSMENT ID: MECH/ADP-1559
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/ADP/EPD&C
MDAC ID: 1559
ITEM: +28V CONTACT #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
ASSESSMENT ID: MECH/ADP-1560
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/ADP/EPD&C
MDAC ID: 1560
ITEM: CONTACT #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
ASSESSMENT ID: MECH/ADP-1561
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/ADP/EPD&C
MDAC ID: 1561
ITEM: CONTACT #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
ASSESSMENT ID: MECH/ADP-1562
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/ADP/EPD&C
MDAC ID: 1562
ITEM: CONTACT #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
ASSESSMENT ID: MECH/ADP-1563
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/ADP/EPD&C
MDAC ID: 1563
ITEM: CONTACT #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/25/88
ASSESSMENT ID: MECH/ADP-1604
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
MDAC ID: 1604
ITEM: EMI FILTER

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[X]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[N]

RECOMMENDATIONS: (If different from NASA)

[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
NO NASA FMEA FOUND ADDRESSING ADTA POWER SUPPLY COMPONENTS. FURTHER REVIEW OF IOA ANALYSIS IDENTIFIED SECOND HARDWARE FAILURE WOULD BE APPARENT DURING FLIGHT.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/25/88
ASSESSMENT ID: MECH/ADP-1605
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
MDAC ID: 1605
ITEM: EMI FILTER

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
NO NASA FMEA FOUND ADDRESSING ADTA POWER SUPPLY COMPONENTS.
FURTHER REVIEW OF IOA ANALYSIS IDENTIFIED SECOND HARDWARE FAILURE WOULD BE APPARENT DURING FLIGHT.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/25/88
ASSESSMENT ID: MECH/ADP-1606
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
MDAC ID: 1606
ITEM: OP AMP

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[X]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
NO NASA FMEA FOUND ADDRESSING ADTA POWER SUPPLY COMPONENTS. FURTHER REVIEW OF IOA ANALYSIS IDENTIFIED SECOND HARDWARE FAILURE WOULD BE APPARENT DURING FLIGHT.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/25/88
ASSESSMENT ID: MECH/ADP-1607
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
MDAC ID: 1607
ITEM: OP AMP

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
NO NASA FMEA FOUND ADDRESSING ADTA POWER SUPPLY COMPONENTS.
FURTHER REVIEW OF IOA ANALYSIS IDENTIFIED SECOND HARDWARE FAILURE WOULD BE APPARENT DURING FLIGHT.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/25/88
ASSESSMENT ID: MECH/ADP-1608
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
MDAC ID: 1608
ITEM: REGULATOR

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[X]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[N]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
NO NASA FMEA FOUND ADDRESSING ADTA POWER SUPPLY COMPONENTS. FURTHER REVIEW OF IOA ANALYSIS IDENTIFIED SECOND HARDWARE FAILURE WOULD BE APPARENT DURING FLIGHT.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/25/88
ASSESSMENT ID: MECH/ADP-1609
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
MDAC ID: 1609
ITEM: REGULATOR

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
NO NASA FMEA FOUND ADDRESSING ADTA POWER SUPPLY COMPONENTS. FURTHER REVIEW OF IOA ANALYSIS IDENTIFIED SECOND HARDWARE FAILURE WOULD BE APPARENT DURING FLIGHT.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/25/88
ASSESSMENT ID: MECH/ADP-1610
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
MDAC ID: 1610
ITEM: GENERATOR

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
NO NASA FMEA FOUND ADDRESSING ADTA POWER SUPPLY COMPONENTS. FURTHER REVIEW OF IOA ANALYSIS IDENTIFIED SECOND HARDWARE FAILURE WOULD BE APPARENT DURING FLIGHT.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/25/88
ASSESSMENT ID: MECH/ADP-1611
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
MDAC ID: 1611
ITEM: GENERATOR

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]
RECOMMENDATIONS: (If different from NASA)	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
NO NASA FMEA FOUND ADDRESSING ADTA POWER SUPPLY COMPONENTS.
FURTHER REVIEW OF IOA ANALYSIS IDENTIFIED SECOND HARDWARE FAILURE WOULD BE APPARENT DURING FLIGHT.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/25/88
ASSESSMENT ID: MECH/ADP-1612
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
MDAC ID: 1612
ITEM: CLOCK

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
NO NASA FMEA FOUND ADDRESSING ADTA POWER SUPPLY COMPONENTS. FURTHER REVIEW OF IOA ANALYSIS IDENTIFIED SECOND HARDWARE FAILURE WOULD BE APPARENT DURING FLIGHT.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/25/88
ASSESSMENT ID: MECH/ADP-1613
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
MDAC ID: 1613
ITEM: CLOCK

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
NO NASA FMEA FOUND ADDRESSING ADTA POWER SUPPLY COMPONENTS. FURTHER REVIEW OF IOA ANALYSIS IDENTIFIED SECOND HARDWARE FAILURE WOULD BE APPARENT DURING FLIGHT.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/25/88
ASSESSMENT ID: MECH/ADP-1614
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
MDAC ID: 1614
ITEM: +Q TRANSISTOR

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[X]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
NO NASA FMEA FOUND ADDRESSING ADTA POWER SUPPLY COMPONENTS. FURTHER REVIEW OF IOA ANALYSIS IDENTIFIED SECOND HARDWARE FAILURE WOULD BE APPARENT DURING FLIGHT.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/25/88
ASSESSMENT ID: MECH/ADP-1615
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
MDAC ID: 1615
ITEM: +Q TRANSISTOR

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
NO NASA FMEA FOUND ADDRESSING ADTA POWER SUPPLY COMPONENTS.
FURTHER REVIEW OF IOA ANALYSIS IDENTIFIED SECOND HARDWARE FAILURE WOULD BE APPARENT DURING FLIGHT.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/25/88
ASSESSMENT ID: MECH/ADP-1616
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
MDAC ID: 1616
ITEM: -Q TRANSISTOR

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[X]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[N]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
NO NASA FMEA FOUND ADDRESSING ADTA POWER SUPPLY COMPONENTS. FURTHER REVIEW OF IOA ANALYSIS IDENTIFIED SECOND HARDWARE FAILURE WOULD BE APPARENT DURING FLIGHT.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/25/88
ASSESSMENT ID: MECH/ADP-1617
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
MDAC ID: 1617
ITEM: -Q TRANSISTOR

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
NO NASA FMEA FOUND ADDRESSING ADTA POWER SUPPLY COMPONENTS.
FURTHER REVIEW OF IOA ANALYSIS IDENTIFIED SECOND HARDWARE FAILURE WOULD BE APPARENT DURING FLIGHT.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/25/88
ASSESSMENT ID: MECH/ADP-1618
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
MDAC ID: 1618
ITEM: TRANSFORMER

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[X]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[N]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
NO NASA FMEA FOUND ADDRESSING ADTA POWER SUPPLY COMPONENTS. FURTHER REVIEW OF IOA ANALYSIS IDENTIFIED SECOND HARDWARE FAILURE WOULD BE APPARENT DURING FLIGHT.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/25/88
ASSESSMENT ID: MECH/ADP-1619
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
MDAC ID: 1619
ITEM: TRANSFORMER

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
NO NASA FMEA FOUND ADDRESSING ADTA POWER SUPPLY COMPONENTS. FURTHER REVIEW OF IOA ANALYSIS IDENTIFIED SECOND HARDWARE FAILURE WOULD BE APPARENT DURING FLIGHT.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/25/88
ASSESSMENT ID: MECH/ADP-1620
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
MDAC ID: 1620
ITEM: +10V AMP

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[X]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[N]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
NO NASA FMEA FOUND ADDRESSING ADTA POWER SUPPLY COMPONENTS. FURTHER REVIEW OF IOA ANALYSIS IDENTIFIED SECOND HARDWARE FAILURE WOULD BE APPARENT DURING FLIGHT.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/25/88
ASSESSMENT ID: MECH/ADP-1621
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
MDAC ID: 1621
ITEM: +10V AMP

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
NO NASA FMEA FOUND ADDRESSING ADTA POWER SUPPLY COMPONENTS. FURTHER REVIEW OF IOA ANALYSIS IDENTIFIED SECOND HARDWARE FAILURE WOULD BE APPARENT DURING FLIGHT.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/25/88
ASSESSMENT ID: MECH/ADP-1622
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
MDAC ID: 1622
ITEM: -10V AMP

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[X]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[N]
RECOMMENDATIONS: (If different from NASA)	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
NO NASA FMEA FOUND ADDRESSING ADTA POWER SUPPLY COMPONENTS. FURTHER REVIEW OF IOA ANALYSIS IDENTIFIED SECOND HARDWARE FAILURE WOULD BE APPARENT DURING FLIGHT.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/25/88
ASSESSMENT ID: MECH/ADP-1623
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
MDAC ID: 1623
ITEM: -10V AMP

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
NO NASA FMEA FOUND ADDRESSING ADTA POWER SUPPLY COMPONENTS. FURTHER REVIEW OF IOA ANALYSIS IDENTIFIED SECOND HARDWARE FAILURE WOULD BE APPARENT DURING FLIGHT.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/25/88
ASSESSMENT ID: MECH/ADP-1624
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
MDAC ID: 1624
ITEM: +10V TRANSISTOR

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[X]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[N]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
NO NASA FMEA FOUND ADDRESSING ADTA POWER SUPPLY COMPONENTS. FURTHER REVIEW OF IOA ANALYSIS IDENTIFIED SECOND HARDWARE FAILURE WOULD BE APPARENT DURING FLIGHT.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/25/88
ASSESSMENT ID: MECH/ADP-1625
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
MDAC ID: 1625
ITEM: +10V TRANSISTOR

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
NO NASA FMEA FOUND ADDRESSING ADTA POWER SUPPLY COMPONENTS. FURTHER REVIEW OF IOA ANALYSIS IDENTIFIED SECOND HARDWARE FAILURE WOULD BE APPARENT DURING FLIGHT.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/25/88
ASSESSMENT ID: MECH/ADP-1626
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
MDAC ID: 1626
ITEM: -10V TRANSISTOR

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[X]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[N]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
NO NASA FMEA FOUND ADDRESSING ADTA POWER SUPPLY COMPONENTS. FURTHER REVIEW OF IOA ANALYSIS IDENTIFIED SECOND HARDWARE FAILURE WOULD BE APPARENT DURING FLIGHT.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/25/88
ASSESSMENT ID: MECH/ADP-1627
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
MDAC ID: 1627
ITEM: -10V TRANSISTOR

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
NO NASA FMEA FOUND ADDRESSING ADTA POWER SUPPLY COMPONENTS. FURTHER REVIEW OF IOA ANALYSIS IDENTIFIED SECOND HARDWARE FAILURE WOULD BE APPARENT DURING FLIGHT.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/ESP-2106
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/ESP
MDAC ID: 2106
ITEM: ALL ITEMS NOT SHOWN ON MDAC ID 100-105 (WASHER, BUSHING, NUT, COTTER PIN, SAFETY WIRE, ETC)

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/ETU-3102
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/ETUD
MDAC ID: 3102
ITEM: CENTERLINE MOTOR CLUTCH

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[2 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/ETU-3110
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/ETUD
MDAC ID: 3110
ITEM: CENTERLINE LATCH LIMIT SWITCH

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/ETU-3112
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/ETUD
MDAC ID: 3112
ITEM: DOOR CLOSURE MOTOR CLUTCH

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[2 /1R]	[P]	[P]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/ETU-3118
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/ETUD
MDAC ID: 3118
ITEM: DOOR LINKAGE ASSEMBLY

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/ETU-3125
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/ETUD
MDAC ID: 3125
ITEM: DOOR CLOSURE LIMIT SWITCH

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/ETU-3144
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/ETUD
MDAC ID: 3144
ITEM: READY TO LATCH LIMIT SWITCH

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/ETU-3504
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/ETUD/EPD&C
MDAC ID: 3504
ITEM: RELAY

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/ETU-3511
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/ETUD/EPD&C
MDAC ID: 3511
ITEM: ET UMBILICAL DOOR OPEN-CLOSE SWITCH

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[2 /1R]	[P]	[P]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/ETU-3512
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/ETUD/EPD&C
MDAC ID: 3512
ITEM: ET UMBILICAL DOOR LATCH-RELEASE SWITCH

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[2 /1R]	[P]	[P]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/ETU-3513
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/ETUD/EPD&C
MDAC ID: 3513
ITEM: ET UMBILICAL DOOR LATCH-RELEASE SWITCH

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/ETU-3514
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/ETUD/EPD&C
MDAC ID: 3514
ITEM: ET UMBILICAL DOOR LATCH-RELEASE SWITCH

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[2 /1R]	[P]	[P]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/ETU-3515
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/ETUD/EPD&C
MDAC ID: 3515
ITEM: CONTROL BUS FUSE

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[2 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/ETU-3516
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/ETUD/EPD&C
MDAC ID: 3516
ITEM: MCA AC POWER CIRCUIT BREAKER

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[2 /1R]	[P]	[P]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/ETU-3517
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/ETUD/EPD&C
MDAC ID: 3517
ITEM: MCA RELAY LOGIC POWER SWITCH

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[2 /1R]	[P]	[P]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/ETU-3518
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/ETUD/EPD&C
MDAC ID: 3518
ITEM: MCA RELAY LOGIC POWER SWITCH

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/ETU-3519
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/ETUD/EPD&C
MDAC ID: 3519
ITEM: REMOTE POWER CONTROLLER

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[2 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/ETU-3520
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/ETUD/EPD&C
MDAC ID: 3520
ITEM: HYBRID CIRCUIT DRIVER

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/ETU-3521
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/ETUD/EPD&C
MDAC ID: 3521
ITEM: HYBRID CIRCUIT DRIVER

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/ETU-3524
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/ETUD/EPD&C
MDAC ID: 3524
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[2 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/ETU-3525
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/ETUD/EPD&C
MDAC ID: 3525
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[2 /1R]	[F]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/ETU-3526
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/ETUD/EPD&C
MDAC ID: 3526
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[2 /1R]	[F]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/ETU-3527
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/ETUD/EPD&C
MDAC ID: 3527
ITEM: FUSE, 1A, TO ACTUATOR STATUS SWITCH

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[2 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/ETU-3528
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/ETUD/EPD&C
MDAC ID: 3528
ITEM: RESISTOR, 1.2K, TO MCA LOGIC SWITCH

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[2 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/ETU-3529
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/ETUD/EPD&C
MDAC ID: 3529
ITEM: RESISTOR, 1.2K, TO MCA LOGIC SWITCH

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[2 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/KBD-4101
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD
MDAC ID: 4101
ITEM: GUILLOTINE/PRESSURE CARTRIDGE

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/KBD-4102
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD
MDAC ID: 4102
ITEM: GUILLOTINE/PRESSURE CARTRIDGE

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[2 /2]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/KBD-4103
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD
MDAC ID: 4103
ITEM: NUT/BREECH

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/KBD-4104
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD
MDAC ID: 4104
ITEM: NUT/BREECH

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/KBD-4105
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD
MDAC ID: 4105
ITEM: INPUT/OUTPUT SHAFT - HOUSING

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[2 /1R]	[P]	[P]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/KBD-4106
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD
MDAC ID: 4106
ITEM: INPUT/OUTPUT SHAFT - HOUSING

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[2 /1R]	[P]	[P]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/KBD-4107
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD
MDAC ID: 4107
ITEM: STOW LIMIT SWITCHES (S1 & 2) ACTUATOR

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[P]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/KBD-4108
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD
MDAC ID: 4108
ITEM: STOW LIMIT SWITCHES (S1 & 2) ACTUATOR

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/KBD-4109
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD
MDAC ID: 4109
ITEM: DEPLOY LIMIT SWITCHES (S5 & 6)

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[2 /1R]	[P]	[P]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/KBD-4110
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD
MDAC ID: 4110
ITEM: DEPLOY LIMIT SWITCHES (S5 & 6)

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[2 /1R]	[P]	[P]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/KBD-4111
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD
MDAC ID: 4111
ITEM: GEAR TRAIN ASSEMBLY

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[2 /1R]	[P]	[P]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/KBD-4112
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD
MDAC ID: 4112
ITEM: GEAR TRAIN ASSEMBLY

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[2 /1R]	[P]	[P]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/KBD-4113
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD
MDAC ID: 4113
ITEM: ALL ITEMS NOT SHOWN ON MDAC ID 4101 - 4112

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ] .	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/04/88
ASSESSMENT ID: MECH/KBD-4544
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4544
ITEM: AND GATE #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/04/88
ASSESSMENT ID: MECH/KBD-4546
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4546
ITEM: AND GATE #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4548
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4548
ITEM: AND GATE #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /2R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4550
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4550
ITEM: AND GATE #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /2R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/04/88
ASSESSMENT ID: MECH/KBD-4552
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4552
ITEM: AMP #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/04/88
ASSESSMENT ID: MECH/KBD-4554
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4554
ITEM: AMP #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4556
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4556
ITEM: AMP #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /2R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4558
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4558
ITEM: AMP #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /2R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/04/88
ASSESSMENT ID: MECH/KBD-4560
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4560
ITEM: K14

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/04/88
ASSESSMENT ID: MECH/KBD-4562
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4562
ITEM: K68

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4564
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4564
ITEM: K72

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /2R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4566
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4566
ITEM: K70

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /2R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/04/88
ASSESSMENT ID: MECH/KBD-4568
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4568
ITEM: STOW MICROSWITCH #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4570
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4570
ITEM: DEPLOY MICROSWITCH #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/04/88
ASSESSMENT ID: MECH/KBD-4572
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4572
ITEM: AND GATE #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/04/88
ASSESSMENT ID: MECH/KBD-4573
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4574
ITEM: AND GATE #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4576
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4576
ITEM: AND GATE #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /2R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4578
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4578
ITEM: AND GATE #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /2R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/04/88
ASSESSMENT ID: MECH/KBD-4580
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4580
ITEM: AMP #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/04/88
ASSESSMENT ID: MECH/KBD-4582
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4582
ITEM: AMP #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4584
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4584
ITEM: AMP #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /2R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4586
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4586
ITEM: AMP #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /2R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/04/88
ASSESSMENT ID: MECH/KBD-4588
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4588
ITEM: K25

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/04/88
ASSESSMENT ID: MECH/KBD-4591
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4591
ITEM: K2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4593
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4593
ITEM: K27

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /2R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4595
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4595
ITEM: K37

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /2R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/04/88
ASSESSMENT ID: MECH/KBD-4597
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4597
ITEM: STOW MICROSWITCH #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4599
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4599
ITEM: DEPLOY MICROSWITCH #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4600
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4600
ITEM: +28V CONTACT #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4601
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4601
ITEM: +28V CONTACT #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4602
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4602
ITEM: +28V CONTACT #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4603
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4603
ITEM: +28V CONTACT #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4604
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4604
ITEM: +28V CONTACT #3

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4605
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4605
ITEM: +28V CONTACT #3

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4606
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4606
ITEM: +28V CONTACT #4

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4607
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4607
ITEM: +28V CONTACT #4

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4608
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4608
ITEM: +28V CONTACT #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4609
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4609
ITEM: +28V CONTACT #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4610
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4610
ITEM: +28V CONTACT #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4611
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4611
ITEM: +28V CONTACT #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4612
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4612
ITEM: +28V CONTACT #3

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4613
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4613
ITEM: +28V CONTACT #3

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4614
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4614
ITEM: +28V CONTACT #4

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4615
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4615
ITEM: +28V CONTACT #4

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4616
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4616
ITEM: +28V CONTACT #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4617
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4617
ITEM: +28V CONTACT #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4618
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4618
ITEM: +28V CONTACT #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4619
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4619
ITEM: +28V CONTACT #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4620
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4620
ITEM: +28V CONTACT #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4621
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4621
ITEM: +28V CONTACT #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4622
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4622
ITEM: +28V CONTACT #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4623
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4623
ITEM: +28V CONTACT #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4624
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4624
ITEM: AND GATE #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4625
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4625
ITEM: AND GATE #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4626
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4626
ITEM: AND GATE #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4627
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4627
ITEM: AND GATE #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4628
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4628
ITEM: 40 MS TIME DELAY

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4629
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4629
ITEM: 40 MS TIME DELAY

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4630
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4630
ITEM: AMP #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4631
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4631
ITEM: AMP #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4632
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4632
ITEM: AND GATE #3

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4633
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4633
ITEM: AND GATE #3

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4634
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4634
ITEM: 4 SECOND TIME DELAY

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4635
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4635
ITEM: 4 SECOND TIME DELAY

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4636
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4636
ITEM: AMP #3

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4637
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4637
ITEM: AMP #3

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4638
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4638
ITEM: EXPLOSIVE INITIATOR

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4639
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4639
ITEM: EXPLOSIVE INITIATOR

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4640
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4640
ITEM: EXPLOSIVE INITIATOR

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4641
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4641
ITEM: EXPLOSIVE INITIATOR

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4642
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4642
ITEM: AND GATE #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4643
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4643
ITEM: AND GATE #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4644
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4644
ITEM: AND GATE #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4645
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4645
ITEM: AND GATE #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4646
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4646
ITEM: 40 MS TIME DELAY

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4647
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4647
ITEM: 40 MS TIME DELAY

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4648
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4648
ITEM: AMP #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4649
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4649
ITEM: AMP #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4650
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4650
ITEM: AND GATE #3

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4651
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4651
ITEM: AND GATE #3

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4652
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4652
ITEM: 4 SECOND TIME DELAY

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4653
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4653
ITEM: 4 SECOND TIME DELAY

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4654
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4654
ITEM: AMP #3

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4655
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4655
ITEM: AMP #3

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4656
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4656
ITEM: EXPLOSIVE INITIATOR

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4657
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4657
ITEM: EXPLOSIVE INITIATOR

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4658
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4658
ITEM: EXPLOSIVE INITIATOR

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4659
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4659
ITEM: EXPLOSIVE INITIATOR

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4660
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4660
ITEM: AMP #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4661
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4661
ITEM: AMP #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4662
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4662
ITEM: AMP #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4663
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4663
ITEM: AMP #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4664
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4664
ITEM: CONVERTER

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4665
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4665
ITEM: CONVERTER

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4666
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4666
ITEM: INVERTED AND GATE

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4667
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4667
ITEM: INVERTED AND GATE

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4668
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4668
ITEM: CAPACITOR BANK

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4669
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4669
ITEM: CAPACITOR BANK

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4670
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4670
ITEM: AND GATE

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4671
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4671
ITEM: AND GATE

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4672
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4672
ITEM: AMP

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4673
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4673
ITEM: AMP

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4674
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4674
ITEM: TEST LOGIC

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4675
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4675
ITEM: TEST LOGIC

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4676
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4676
ITEM: CONVERTER

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4677
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4677
ITEM: CONVERTER

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4678
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4678
ITEM: INVERTED AND GATE

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4679
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4679
ITEM: INVERTED AND GATE

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4680
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4680
ITEM: CAPACITOR BANK

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4681
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4681
ITEM: CAPACITOR BANK

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4682
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4682
ITEM: AND GATE

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4683
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4683
ITEM: AND GATE

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4684
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4684
ITEM: AMP

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4685
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4685
ITEM: AMP

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4686
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4686
ITEM: TEST LOGIC

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4687
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4687
ITEM: TEST LOGIC

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5103
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/PBD
MDAC ID: 5103
ITEM: CENTERLINE/BULKHEAD LATCH MOTOR CLUTCH

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5116
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/PBD
MDAC ID: 5116
ITEM: CENTERLINE/BULKHEAD OPEN LIMIT SWITCH

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5117
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/PBD
MDAC ID: 5117
ITEM: CENTERLINE/BULKHEAD OPEN LIMIT SWITCH

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /2R]	[P]	[P]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5118
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/PBD
MDAC ID: 5118
ITEM: CENTERLINE/BULKHEAD CLOSED LIMIT SWITCH

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5141
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/PBD
MDAC ID: 5141
ITEM: BULKHEAD ROLLER ASSEMBLY

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5142
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/PBD
MDAC ID: 5142
ITEM: BULKHEAD DOOR CLOSED SWITCH

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5143
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/PBD
MDAC ID: 5143
ITEM: BULKHEAD DOOR CLOSED SWITCH

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[2 /1R]	[P]	[P]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5144
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/PBD
MDAC ID: 5144
ITEM: BULKHEAD READY-TO-LATCH SWITCH MODULE

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5148
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/PBD
MDAC ID: 5148
ITEM: PAYLOAD BAY DOOR DRIVE CLUTCH

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5160
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/PBD
MDAC ID: 5160
ITEM: PAYLOAD BAY DOOR DRIVE SUPPORT BEARING ASSEMBLY

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5170
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/PBD
MDAC ID: 5170
ITEM: PAYLOAD BAY DOOR OPEN LIMIT SWITCH

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5171
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/PBD
MDAC ID: 5171
ITEM: PAYLOAD BAY DOOR OPEN LIMIT SWITCH

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /2R]	[P]	[P]	[p]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88 NASA DATA:
ASSESSMENT ID: MECH/PBD-5172 BASELINE [ ]
NASA FMEA #: NEW [ ]

SUBSYSTEM: MECH/PBD
MDAC ID: 5172
ITEM: PAYLOAD BAY DOOR 88 DEGREES LIMIT SWITCH

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5173
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/PBD
MDAC ID: 5173
ITEM: PAYLOAD BAY DOOR 88 DEGREES LIMIT SWITCH

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5174
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/PBD
MDAC ID: 5174
ITEM: PAYLOAD BAY DOOR

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5175
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/PBD
MDAC ID: 5175
ITEM: PAYLOAD BAY DOOR

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5177
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/PBD
MDAC ID: 5177
ITEM: PAYLOAD BAY DOOR ALIGNMENT ROLLER GUIDE

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[NA]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5178
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/PBD
MDAC ID: 5178
ITEM: PAYLOAD BAY DOOR PASSIVE STOP

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5501
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/PBD/EPD&C
MDAC ID: 5501
ITEM: CONTROL BUS 1.2K RESISTOR

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[2 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5503
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/PBD/EPD&C
MDAC ID: 5503
ITEM: CONTROL BUS 1.2K RESISTOR

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[2 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5506
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/PBD/EPD&C
MDAC ID: 5506
ITEM: PAYLOAD BAY DOOR MECHANICAL POWER SWITCH

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[2 /1R]	[P]	[P]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5509
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/PBD/EPD&C
MDAC ID: 5509
ITEM: DIODE

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5510
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/PBD/EPD&C
MDAC ID: 5510
ITEM: DIODE

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5511
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/PBD/EPD&C
MDAC ID: 5511
ITEM: SWITCH RESISTOR, 1.2K 2W

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[2 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5512
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/PBD/EPD&C
MDAC ID: 5512
ITEM: SWITCH RESISTOR, 1.2K 2W

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5513
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/PBD/EPD&C
MDAC ID: 5513
ITEM: SWITCH RESISTOR, 1.2K 2W

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[2 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5514
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/PBD/EPD&C
MDAC ID: 5514
ITEM: PAYLOAD BAY DOORS AC BUS RELAY

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[2 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5515
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/PBD/EPD&C
MDAC ID: 5515
ITEM: PAYLOAD BAY DOORS AC BUS RELAY

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[2 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5516
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/PBD/EPD&C
MDAC ID: 5516
ITEM: MCA AC POWER CIRCUIT BREAKER

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[2 /1R]	[P]	[NA]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5517
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/PBD/EPD&C
MDAC ID: 5517
ITEM: MCA RELAY LOGIC POWER SWITCH

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[2 /1R]	[P]	[P]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5518
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/PBD/EPD&C
MDAC ID: 5518
ITEM: MCA RELAY LOGIC POWER SWITCH

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-6101
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/PBD/EPD&C
MDAC ID: 5519
ITEM: REMOTE POWER CONTROLLER

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[2 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-6102
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/PBR
MDAC ID: 6101
ITEM: MOTOR

LEAD ANALYST: W.T. SLAUGHTER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[P]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-6103
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/PBR
MDAC ID: 6102
ITEM: MOTOR BRAKE

LEAD ANALYST: W.T. SLAUGHTER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/PBR-6106
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/PBR
MDAC ID: 6106
ITEM: DIFFERENTIAL ASSEMBLY

LEAD ANALYST: W.T. SLAUGHTER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[P]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/PBR-6109
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/PBR
MDAC ID: 6109
ITEM: LIMIT SWITCHES, RELEASE (S1), (S3), (S4)

LEAD ANALYST: W.T. SLAUGHTER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/PBR-6110
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/PBR
MDAC ID: 6110
ITEM: LIMIT SWITCHES, LATCH (S2), (S3), (S4)

LEAD ANALYST: W.T. SLAUGHTER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/PBR-6202
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/PBR
MDAC ID: 6202
ITEM: MOTOR BRAKE

LEAD ANALYST: W.T. SLAUGHTER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/PBR-6206
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/PBR
MDAC ID: 6206
ITEM: DIFFERENTIAL ASSEMBLY

LEAD ANALYST: W.T. SLAUGHTER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[P]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/PBR-6209
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/PBR
MDAC ID: 6209
ITEM: LIMIT SWITCHES, DEPLOY (S1, S2, S4)

LEAD ANALYST: W.T. SLAUGHTER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/PBR-6210
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/PBR
MDAC ID: 6210
ITEM: LIMIT SWITCHES, STOW (S1, S2, S3)

LEAD ANALYST: W.T. SLAUGHTER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/11/88
ASSESSMENT ID: MECH/PH-7104
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/PH
MDAC ID: 7104
ITEM: VIEWPORT

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/11/88
ASSESSMENT ID: MECH/PH-7105
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/PH
MDAC ID: 7105
ITEM: VIEWPORT

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[P]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/12/88
ASSESSMENT ID: MECH/PH-7114
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/PH
MDAC ID: 7114
ITEM: VIEWPORT

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/12/88
ASSESSMENT ID: MECH/PH-7115
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/PH
MDAC ID: 7115
ITEM: VIEWPORT

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[P]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/12/88
ASSESSMENT ID: MECH/PH-7116
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/PH
MDAC ID: 7116
ITEM: VIEWPORT LATCH

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/12/88
ASSESSMENT ID: MECH/PH-7117
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/PH
MDAC ID: 7117
ITEM: VIEWPORT LATCH

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/SDM-9102
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/SDM
MDAC ID: 9102
ITEM: OPEN LIMIT SWITCHES (S1 & 3) ACTUATOR

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[P]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/SDM-9103
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/SDM
MDAC ID: 9103
ITEM: STOW LIMIT SWITCHES (S1 & 3) ACTUATOR

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/SDM-9104
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/SDM
MDAC ID: 9104
ITEM: DEPLOY LIMIT SWITCHES (S2 & 4)

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/SDM-9105
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/SDM
MDAC ID: 9105
ITEM: DEPLOY LIMIT SWITCHES (S2 & 4)

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/SDM-9106
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/SDM
MDAC ID: 9106
ITEM: GEAR TRAIN ASSEMBLY

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[P]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/SDM-9107
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/SDM
MDAC ID: 9107
ITEM: GEAR TRAIN ASSEMBLY

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[P]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/SDM-9108
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/SDM
MDAC ID: 9108
ITEM: ALL ITEMS NOT SHOWN ON MDAC ID 9100-9107

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/SDM-9501
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/SDM/EPD&C
MDAC ID: 9501
ITEM: ALL ITEMS NOT SHOWN ON MDAC ID 9500

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/VDM-8109
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/VDM
MDAC ID: 8109
ITEM: ALL ITEMS NOT SHOWN ON MDAC ID 8100 - 8108

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/VDM-8501
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/VDM/EPD&C
MDAC ID: 8501
ITEM: ACTUATOR MOTOR

LEAD ANALYST: M. BRADWAY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[2 /1R]	[P]	[NA]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/VDM-8504
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/VDM/EPD&C
MDAC ID: 8504
ITEM: MCA PURGE SIGNAL DRIVER

LEAD ANALYST: M. BRADWAY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[2 /1R]	[P]	[NA]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/VDM-8505
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/VDM/EPD&C
MDAC ID: 8505
ITEM: MCA DC POWER BUS

LEAD ANALYST: M. BRADWAY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[2 /1R]	[P]	[NA]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/VDM-8506
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/VDM/EPD&C
MDAC ID: 8506
ITEM: MCA AC POWER BUS

LEAD ANALYST: M. BRADWAY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[2 /1R]	[P]	[NA]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/VDM-8509
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/VDM/EPD&C
MDAC ID: 8509
ITEM: ELECTRICAL CONNECTORS/PINS

LEAD ANALYST: M. BRADWAY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[2 /1R]	[P]	[NA]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/VDM-8510
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/VDM/EPD&C
MDAC ID: 8510
ITEM: CABLES/WIRING

LEAD ANALYST: M. BRADWAY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[2 /1R]	[P]	[NA]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/VDM-8514
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/VDM/EPD&C
MDAC ID: 8514
ITEM: FUSE

LEAD ANALYST: M. BRADWAY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[2 /1R]	[P]	[NA]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/VDM-8515
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/VDM/EPD&C
MDAC ID: 8515
ITEM: RESISTOR

LEAD ANALYST: M. BRADWAY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[2 /1R]	[P]	[NA]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/VDM-8516
NASA FMEA #:

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: MECH/VDM/EPD&C
MDAC ID: 8516
ITEM: RESISTOR

LEAD ANALYST: M. BRADWAY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[2 /1R]	[P]	[NA]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/VDM-8102
NASA FMEA #: 01-5B-380101-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/VDM
MDAC ID: 8102
ITEM: BOLT/BRACKET/DOUBLER

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[F]	[P]	[P]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[/]	[N]	[N]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/VDM-8100
NASA FMEA #: 01-5B-380102-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/VDM
MDAC ID: 8100
ITEM: ROD ASSEMBLY

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/VDM-8100A
NASA FMEA #: 01-5B-380103-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/VDM
MDAC ID: 8100
ITEM: ROD ASSEMBLY

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/VDM-8102A
NASA FMEA #: 01-5B-380104-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/VDM
MDAC ID: 8102
ITEM: BOLT/BRACKET/DOUBLER

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[F]	[F]	[P]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[/]	[N]	[N]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/VDM-8103A
NASA FMEA #: 01-5B-380104-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/VDM
MDAC ID: 8103
ITEM: INPUT/OUTPUT TORQUE SHAFT - HOUSING

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[F]	[F]	[P]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[/]	[N]	[N]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/VDM-8104A
NASA FMEA #: 01-5B-380104-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/VDM
MDAC ID: 8104
ITEM: INPUT/OUTPUT TORQUE SHAFT - HOUSING

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[F]	[F]	[P]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[/]	[N]	[N]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/VDM-8101
NASA FMEA #: 01-5B-380105-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/VDM
MDAC ID: 8101
ITEM: BELLCRANK

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/VDM-8103B
NASA FMEA #: 01-5B-380105-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/VDM
MDAC ID: 8103
ITEM: INPUT/OUTPUT TORQUE SHAFT - HOUSING

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/VDM-8104B
NASA FMEA #: 01-5B-380105-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/VDM
MDAC ID: 8104
ITEM: INPUT/OUTPUT TORQUE SHAFT - HOUSING

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/VDM-8103
NASA FMEA #: 01-5B-380106-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/VDM
MDAC ID: 8103
ITEM: INPUT/OUTPUT TORQUE SHAFT - HOUSING

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[/]	[ ]	[N]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/VDM-8103C
NASA FMEA #: 01-5B-380106-3

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/VDM
MDAC ID: 8103
ITEM: INPUT/OUTPUT TORQUE SHAFT - HOUSING

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[/]	[ ]	[N]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/VDM-8105
NASA FMEA #: 01-5B-380107-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/VDM
MDAC ID: 8105
ITEM: DIFFERENTIAL/GEAR TRAIN ASSEMBLY

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/VDM-8104
NASA FMEA #: 01-5B-380107-2

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/VDM
MDAC ID: 8104
ITEM: INPUT/OUTPUT TORQUE SHAFT - HOUSING

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/VDM-8103D
NASA FMEA #: 01-5B-380107-3

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/VDM
MDAC ID: 8103
ITEM: INPUT/OUTPUT TORQUE SHAFT - HOUSING

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[F]	[F]	[P]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[/]	[N]	[N]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/VDM-8104C
NASA FMEA #: 01-5B-380107-3

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/VDM
MDAC ID: 8104
ITEM: INPUT/OUTPUT TORQUE SHAFT - HOUSING

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[F]	[F]	[P]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[/]	[N]	[N]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/VDM-8100B
NASA FMEA #: 01-5B-380108-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/VDM
MDAC ID: 8100
ITEM: ROD ASSEMBLY

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/VDM-8101A
NASA FMEA #: 01-5B-380108-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/VDM
MDAC ID: 8101
ITEM: BELLCRANK

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/VDM-8102B
NASA FMEA #: 01-5B-380109-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/VDM
MDAC ID: 8102
ITEM: BOLT/BRACKET/DOUBLER

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[F]	[F]	[P]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[/]	[N]	[N]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/VDM-8100C
NASA FMEA #: 01-5B-380110-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/VDM
MDAC ID: 8100
ITEM: ROD ASSEMBLY

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/VDM-8101B
NASA FMEA #: 01-5B-380111-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/VDM
MDAC ID: 8101
ITEM: BELLCRANK

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/VDM-8102C
NASA FMEA #: 01-5B-380112-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/VDM
MDAC ID: 8102
ITEM: BOLT/BRACKET/DOUBLER

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[F]	[F]	[P]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[/]	[N]	[N]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/VDM-8103E
NASA FMEA #: 01-5B-380112-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/VDM
MDAC ID: 8103
ITEM: INPUT/OUTPUT TORQUE SHAFT - HOUSING

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[F]	[F]	[P]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[/]	[N]	[N]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/VDM-8104D
NASA FMEA #: 01-5B-380112-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/VDM
MDAC ID: 8104
ITEM: INPUT/OUTPUT TORQUE SHAFT - HOUSING

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[F]	[F]	[P]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[/]	[N]	[N]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/VDM-8101C
NASA FMEA #: 01-5B-380113-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/VDM
MDAC ID: 8101
ITEM: BELLCRANK

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/VDM-8103F
NASA FMEA #: 01-5B-380113-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/VDM
MDAC ID: 8103
ITEM: INPUT/OUTPUT TORQUE SHAFT - HOUSING

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/VDM-8104E
NASA FMEA #: 01-5B-380113-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/VDM
MDAC ID: 8104
ITEM: INPUT/OUTPUT TORQUE SHAFT - HOUSING

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/VDM-8103G
NASA FMEA #: 01-5B-380114-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/VDM
MDAC ID: 8103
ITEM: INPUT/OUTPUT TORQUE SHAFT - HOUSING

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[/]	[ ]	[N]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/VDM-8104F
NASA FMEA #: 01-5B-380114-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/VDM
MDAC ID: 8104
ITEM: INPUT/OUTPUT TORQUE SHAFT - HOUSING

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[/]	[ ]	[N]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/VDM-8103H
NASA FMEA #: 01-5B-380114-3

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/VDM
MDAC ID: 8103
ITEM: INPUT/OUTPUT TORQUE SHAFT - HOUSING

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[/]	[ ]	[N]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/VDM-8104G
NASA FMEA #: 01-5B-380114-3

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/VDM
MDAC ID: 8104
ITEM: INPUT/OUTPUT TORQUE SHAFT - HOUSING

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[/]	[ ]	[N]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/VDM-8105A
NASA FMEA #: 01-5B-380115-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/VDM
MDAC ID: 8105
ITEM: DIFFERENTIAL/GEAR TRAIN ASSEMBLY

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/VDM-8106
NASA FMEA #: 01-5B-380115-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/VDM
MDAC ID: 8106
ITEM: DIFFERENTIAL/GEAR TRAIN ASSEMBLY

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/VDM-8103I
NASA FMEA #: 01-5B-380115-2

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/VDM
MDAC ID: 8103
ITEM: INPUT/OUTPUT TORQUE SHAFT - HOUSING

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/VDM-8104H
NASA FMEA #: 01-5B-380115-2

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/VDM
MDAC ID: 8104
ITEM: INPUT/OUTPUT TORQUE SHAFT - HOUSING

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/VDM-8103J
NASA FMEA #: 01-5B-380115-3

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/VDM
MDAC ID: 8103
ITEM: INPUT/OUTPUT TORQUE SHAFT - HOUSING

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[F]	[F]	[P]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[/]	[N]	[N]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88 NASA DATA:
ASSESSMENT ID: MECH/VDM-8104I BASELINE [ ]
NASA FMEA #: 01-5B-380115-3 NEW [X]

SUBSYSTEM: MECH/VDM
MDAC ID: 8104
ITEM: INPUT/OUTPUT TORQUE SHAFT - HOUSING

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[F]	[F]	[P]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[/]	[N]	[N]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/VDM-8100D
NASA FMEA #: 01-5B-380116-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/VDM
MDAC ID: 8100
ITEM: ROD ASSEMBLY

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/VDM-8102D
NASA FMEA #: 01-5B-380117-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/VDM
MDAC ID: 8102
ITEM: BOLT/BRACKET/DOUBLER

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[F]	[F]	[P]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[/]	[N]	[N]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/VDM-8100E
NASA FMEA #: 01-5B-380118-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/VDM
MDAC ID: 8100
ITEM: ROD ASSEMBLY

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/VDM-8101D
NASA FMEA #: 01-5B-380119-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/VDM
MDAC ID: 8101
ITEM: BELLCRANK

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/VDM-8100F
NASA FMEA #: 01-5B-380120-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/VDM
MDAC ID: 8100
ITEM: ROD ASSEMBLY

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/VDM-8103K
NASA FMEA #: 01-5B-380122-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/VDM
MDAC ID: 8103
ITEM: INPUT/OUTPUT TORQUE SHAFT - HOUSING

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[/]	[ ]	[N]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/VDM-8104J
NASA FMEA #: 01-5B-380122-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/VDM
MDAC ID: 8104
ITEM: INPUT/OUTPUT TORQUE SHAFT - HOUSING

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[/]	[ ]	[N]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/VDM-8103L
NASA FMEA #: 01-5B-380122-3

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/VDM
MDAC ID: 8103
ITEM: INPUT/OUTPUT TORQUE SHAFT - HOUSING

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[/]	[ ]	[N]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/VDM-8104K
NASA FMEA #: 01-5B-380122-3

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/VDM
MDAC ID: 8104
ITEM: INPUT/OUTPUT TORQUE SHAFT - HOUSING

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[/]	[ ]	[N]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/VDM-8105B
NASA FMEA #: 01-5B-380123-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/VDM
MDAC ID: 8105
ITEM: DIFFERENTIAL/GEAR TRAIN ASSEMBLY

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/VDM-8106A
NASA FMEA #: 01-5B-380123-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/VDM
MDAC ID: 8106
ITEM: DIFFERENTIAL/GEAR TRAIN ASSEMBLY

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/VDM-8103M
NASA FMEA #: 01-5B-380123-2

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/VDM
MDAC ID: 8103
ITEM: INPUT/OUTPUT TORQUE SHAFT - HOUSING

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/VDM-8104L
NASA FMEA #: 01-5B-380123-2

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/VDM
MDAC ID: 8104
ITEM: INPUT/OUTPUT TORQUE SHAFT - HOUSING

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/VDM-8103N
NASA FMEA #: 01-5B-380123-3

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/VDM
MDAC ID: 8103
ITEM: INPUT/OUTPUT TORQUE SHAFT - HOUSING

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[F]	[F]	[P]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[/]	[N]	[N]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/VDM-8104M
NASA FMEA #: 01-5B-380123-3

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/VDM
MDAC ID: 8104
ITEM: INPUT/OUTPUT TORQUE SHAFT - HOUSING

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[F]	[F]	[P]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[/]	[N]	[N]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/VDM-8102E
NASA FMEA #: 01-5B-380125-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/VDM
MDAC ID: 8102
ITEM: BOLT/BRACKET/DOUBLER

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[F]	[F]	[P]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[/]	[N]	[N]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/VDM-8100G
NASA FMEA #: 01-5B-380126-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/VDM
MDAC ID: 8100
ITEM: ROD ASSEMBLY

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/VDM-8101E
NASA FMEA #: 01-5B-380127-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/VDM
MDAC ID: 8101
ITEM: BELLCRANK

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/VDM-8102F
NASA FMEA #: 01-5B-380128-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/VDM
MDAC ID: 8102
ITEM: BOLT/BRACKET/DOUBLER

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[F]	[F]	[P]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[/]	[N]	[N]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/VDM-8103O
NASA FMEA #: 01-5B-380128-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/VDM
MDAC ID: 8103
ITEM: INPUT/OUTPUT TORQUE SHAFT - HOUSING

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[F]	[F]	[P]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[/]	[N]	[N]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/VDM-8104N
NASA FMEA #: 01-5B-380128-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/VDM
MDAC ID: 8104
ITEM: INPUT/OUTPUT TORQUE SHAFT - HOUSING

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[F]	[F]	[P]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[/]	[N]	[N]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/VDM-8101F
NASA FMEA #: 01-5B-380129-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/VDM
MDAC ID: 8101
ITEM: BELLCRANK

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/VDM-8103P
NASA FMEA #: 01-5B-380130-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/VDM
MDAC ID: 8103
ITEM: INPUT/OUTPUT TORQUE SHAFT - HOUSING

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[/]	[ ]	[N]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/VDM-8104O
NASA FMEA #: 01-5B-380130-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/VDM
MDAC ID: 8104
ITEM: INPUT/OUTPUT TORQUE SHAFT - HOUSING

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[/]	[ ]	[N]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/VDM-8103Q
NASA FMEA #: 01-5B-380130-3

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/VDM
MDAC ID: 8103
ITEM: INPUT/OUTPUT TORQUE SHAFT - HOUSING

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[/]	[ ]	[N]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/VDM-8104P
NASA FMEA #: 01-5B-380130-3

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/VDM
MDAC ID: 8104
ITEM: INPUT/OUTPUT TORQUE SHAFT - HOUSING

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[/]	[ ]	[N]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/VDM-8105C
NASA FMEA #: 01-5B-380131-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/VDM
MDAC ID: 8105
ITEM: DIFFERENTIAL/GEAR TRAIN ASSEMBLY

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/VDM-8106B
NASA FMEA #: 01-5B-380131-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/VDM
MDAC ID: 8106
ITEM: DIFFERENTIAL/GEAR TRAIN ASSEMBLY

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/VDM-8104Q
NASA FMEA #: 01-5B-380131-2

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/VDM
MDAC ID: 8104
ITEM: INPUT/OUTPUT TORQUE SHAFT - HOUSING

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: MECH/VDM-8104R
NASA FMEA #: 01-5B-380131-3

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/VDM
MDAC ID: 8104
ITEM: INPUT/OUTPUT TORQUE SHAFT - HOUSING

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[F]	[F]	[P]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[/]	[N]	[N]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/ESP-2100
NASA FMEA #: 02-2D/4-E100-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/ESP
MDAC ID: 2100
ITEM: ROD ASSEMBLY

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/ESP-2101
NASA FMEA #: 02-2D/4-E100-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/ESP
MDAC ID: 2101
ITEM: ROD ASSEMBLY

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/ESP-2102
NASA FMEA #: 02-2D/4-E100-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/ESP
MDAC ID: 2102
ITEM: BELLCRANK

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/ESP-2103
NASA FMEA #: 02-2D/4-E100-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/ESP
MDAC ID: 2103
ITEM: BELLCRANK

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/ESP-2104
NASA FMEA #: 02-2D/4-E100-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/ESP
MDAC ID: 2104
ITEM: BOLT

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/ESP-2105
NASA FMEA #: 02-2D/4-E100-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/ESP
MDAC ID: 2105
ITEM: BOLT

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/05/88
ASSESSMENT ID: MECH/ADP-1101A
NASA FMEA #: 02-4-052000-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/ADP
MDAC ID: 1101
ITEM: MOTOR

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/05/88
ASSESSMENT ID: MECH/ADP-1102
NASA FMEA #: 02-4-052000-2

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/ADP
MDAC ID: 1102
ITEM: GEARBOX

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /]	[ ]	[N]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [X] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
FURTHER EVALUATION PROMPTED UPGRADE OF HARDWARE CRITICALITY ASHARDWARE FAILURE WOULD REQUIRE MISSION CANCELLATION. SCREEN B DIFFERENCE REFLECTS IOA POSITION THAT LOSS OF REDUNDANT GEARBOX OPERATION MAY NOT BE READILY APPARENT DURING FLIGHT.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/05/88
ASSESSMENT ID: MECH/ADP-1103
NASA FMEA #: 02-4-052000-2

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/ADP
MDAC ID: 1103
ITEM: GEARBOX

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /]	[ ]	[N]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [X] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
FURTHER EVALUATION PROMPTED UPGRADE OF HARDWARE CRITICALITY ASHARDWARE FAILURE WOULD REQUIRE MISSION CANCELLATION. SCREEN B DIFFERENCE REFLECTS IOA POSITION THAT LOSS OF REDUNDANT GEARBOX OPERATION MAY NOT BE READILY APPARENT DURING FLIGHT.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/05/88
ASSESSMENT ID: MECH/ADP-1101
NASA FMEA #: 02-4-052000-4

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/ADP
MDAC ID: 1101
ITEM: MOTOR

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/05/88
ASSESSMENT ID: MECH/ADP-1102A
NASA FMEA #: 02-4-052000-5

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/ADP
MDAC ID: 1102
ITEM: GEARBOX

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /]	[ ]	[N]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[2 /1R]	[P]	[F]	[P]	[X] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
FURTHER EVALUATION PROMPTED UPGRADE OF HARDWARE CRITICALITY ASHARDWARE FAILURE WOULD REQUIRE MISSION CANCELLATION. SCREEN B DIFFERENCE REFLECTS IOA POSITION THAT LOSS OF REDUNDANT GEARBOX OPERATION MAY NOT BE READILY APPARENT DURING FLIGHT.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/05/88
ASSESSMENT ID: MECH/ADP-1103A
NASA FMEA #: 02-4-052000-5

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/ADP
MDAC ID: 1103
ITEM: GEARBOX

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /]	[ ]	[N]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[2 /1R]	[P]	[F]	[P]	[X] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
FURTHER EVALUATION PROMPTED UPGRADE OF HARDWARE CRITICALITY ASHARDWARE FAILURE WOULD REQUIRE MISSION CANCELLATION. SCREEN B DIFFERENCE REFLECTS IOA POSITION THAT LOSS OF REDUNDANT GEARBOX OPERATION MAY NOT BE READILY APPARENT DURING FLIGHT.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/05/88
ASSESSMENT ID: MECH/ADP-1102B
NASA FMEA #: 02-4-052000-6

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/ADP
MDAC ID: 1102
ITEM: GEARBOX

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /]	[ ]	[N]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[2 /1R]	[P]	[F]	[P]	[X] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
FURTHER EVALUATION PROMPTED UPGRADE OF HARDWARE CRITICALITY ASHARDWARE FAILURE WOULD REQUIRE MISSION CANCELLATION. SCREEN B DIFFERENCE REFLECTS IOA POSITION THAT LOSS OF REDUNDANT GEARBOX OPERATION MAY NOT BE READILY APPARENT DURING FLIGHT.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/05/88
ASSESSMENT ID: MECH/ADP-1103B
NASA FMEA #: 02-4-052000-6

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/ADP
MDAC ID: 1103
ITEM: GEARBOX

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /]	[ ]	[N]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [X] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
FURTHER EVALUATION PROMPTED UPGRADE OF HARDWARE CRITICALITY ASHARDWARE FAILURE WOULD REQUIRE MISSION CANCELLATION. SCREEN B DIFFERENCE REFLECTS IOA POSITION THAT LOSS OF REDUNDANT GEARBOX OPERATION MAY NOT BE READILY APPARENT DURING FLIGHT.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/05/88
ASSESSMENT ID: MECH/ADP-1104
NASA FMEA #: 02-4-054000-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/ADP
MDAC ID: 1104
ITEM: PRESSURE LINE

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [F] [P] [A] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
NASA FMEA DELETED ADDRESSING PRESSURE LINE FAILURE.
THE DISCREPANCY BETWEEN FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/12/88
ASSESSMENT ID: MECH/PH-7118
NASA FMEA #: 02-4A-593100-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PH
MDAC ID: 7118
ITEM: BOOT

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)	[3 /3]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/12/88
ASSESSMENT ID: MECH/PH-7120
NASA FMEA #: 02-4A-593102-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PH
MDAC ID: 7120
ITEM: DRAIN TUBING

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[3 /3] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/26/88
ASSESSMENT ID: MECH/PH-17121X
NASA FMEA #: 02-4A-593201-1

NASA DATA:
BASELINE [ ]
NEW [x]

SUBSYSTEM: MECH/PH
MDAC ID: 17121
ITEM: SIDE HATCH LATCH MECHANISM

LEAD ANALYST: M. BRADWAY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/11/08
ASSESSMENT ID: MECH/PH-7109
NASA FMEA #: 02-4A-593202-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PH
MDAC ID: 7109
ITEM: ACTUATOR

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[1 /1]	[ ]	[ ]	[ ]	[A] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
UPON FURTHER REVIEW, IOA CRITICALITY REVISED AND IN AGREEMENT WITH NASA/RI FMEA CODE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/11/08
ASSESSMENT ID: MECH/PH-7110
NASA FMEA #: 02-4A-593202-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PH
MDAC ID: 7110
ITEM: ACTUATOR

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[1 /1]	[ ]	[ ]	[ ]	[A] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
UPON FURTHER REVIEW, IOA CRITICALITY REVISED AND IN AGREEMENT WITH NASA/RI FMEA CODE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/11/08
ASSESSMENT ID: MECH/PH-7111
NASA FMEA #: 02-4A-593202-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PH
MDAC ID: 7111
ITEM: ACTUATOR

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[1 /1]	[ ]	[ ]	[ ]	[A] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
UPON FURTHER REVIEW, IOA CRITICALITY REVISED AND IN AGREEMENT WITH NASA/RI FMEA CODE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/12/88
ASSESSMENT ID: MECH/PH-7112
NASA FMEA #: 02-4A-593202-3

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PH
MDAC ID: 7112
ITEM: O RING

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /2R]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R]	[P]	[F]	[P]	[A] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
CABIN ATMOSPHERE LEAKAGE CREATES POTENTIAL FOR LOSS OF CREW AS WELL AS MISSION. TIME AVAILABLE FOR CREWMEMBER TO REACH SAFE-HAVEN IS DEPENDENT UPON OPERATIONAL SITUATION FACTORS AND/OR ANOMOLIES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/12/88
ASSESSMENT ID: MECH/PH-7113
NASA FMEA #: 02-4A-593202-3

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PH
MDAC ID: 7113
ITEM: O RING

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /2R]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R]	[P]	[F]	[P]	[A] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
CABIN ATMOSPHERE LEAKAGE CREATES POTENTIAL FOR LOSS OF CREW AS WELL AS MISSION. TIME AVAILABLE FOR CREWMEMBER TO REACH SAFE-HAVEN IS DEPENDENT UPON OPERATIONAL SITUATION FACTORS AND/OR ANOMOLIES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/26/88
ASSESSMENT ID: MECH/PH-17122X
NASA FMEA #: 02-4A-593203-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PH
MDAC ID: 17122
ITEM: SIDE HATCH HINGE

LEAD ANALYST: M. BRADWAY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/26/88
ASSESSMENT ID: MECH/PH-17123X
NASA FMEA #: 02-4A-593205-2

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PH
MDAC ID: 17123
ITEM: SIDE HATCH ATTENUATOR HINGE

LEAD ANALYST: M. BRADWAY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/26/88
ASSESSMENT ID: MECH/PH-17125X
NASA FMEA #: 02-4A-593301-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PH
MDAC ID: 17125
ITEM: AIRLOCK HATCH LATCH MECHANISM

LEAD ANALYST: M. BRADWAY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /2]	[P]	[P]	[P]	[X] *
IOA	[2 /2]	[P]	[P]	[P]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/26/88
ASSESSMENT ID: MECH/PH-17124X
NASA FMEA #: 02-4A-593301-2

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PH
MDAC ID: 17124
ITEM: AIRLOCK HATCH LATCH MECHANISM

LEAD ANALYST: M. BRADWAY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/11/08 NASA DATA:
ASSESSMENT ID: MECH/PH-7106 BASELINE [ ]
NASA FMEA #: 02-4A-593302-1 NEW [X]

SUBSYSTEM: MECH/PH
MDAC ID: 7106
ITEM: ACTUATOR

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[P]	[P]	[P]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[ ]	[N]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[1 /1]	[ ]	[ ]	[ ]	[A] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
UPON FURTHER REVIEW, IOA CRITICALITY REVISED AND IN AGREEMENT WITH NASA/RI FMEA DATA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/11/08
ASSESSMENT ID: MECH/PH-7107
NASA FMEA #: 02-4A-593302-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PH
MDAC ID: 7107
ITEM: ACTUATOR

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[P]	[P]	[P]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[ ]	[N]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[1 /1] [ ] [ ] [ ] [A] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
UPON FURTHER REVIEW, IOA CRITICALITY REVISED AND IN AGREEMENT WITH NASA/RI FMEA DATA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/11/08
ASSESSMENT ID: MECH/PH-7108
NASA FMEA #: 02-4A-593302-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PH
MDAC ID: 7108
ITEM: ACTUATOR

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[P]	[P]	[P]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[ ]	[N]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[1 /1]	[ ]	[ ]	[ ]	[A] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
UPON FURTHER REVIEW, IOA CRITICALITY REVISED AND IN AGREEMENT WITH NASA/RI FMEA DATA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/11/88
ASSESSMENT ID: MECH/PH-7102
NASA FMEA #: 02-4A-593302-2

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PH
MDAC ID: 7102
ITEM: O RING

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /2R]	[F]	[F]	[P]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[N]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[3 /1R]	[P]	[F]	[P]	[A] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
CABIN ATMOSPHERE LEAKAGE CREATES POTENTIAL FOR LOSS OF CREW AS WELL AS MISSION. TIME AVAILABLE FOR CREWMEMBER TO REACH SAFE-HAVEN DEPENDENT UPON OPERATIONAL SITUATION FACTORS AND/OR ANOMOLIES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/11/88
ASSESSMENT ID: MECH/PH-7103
NASA FMEA #: 02-4A-593302-2

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PH
MDAC ID: 7103
ITEM: O RING

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /2R]	[F]	[F]	[P]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[N]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [F] [P] [A] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
CABIN ATMOSPHERE LEAKAGE CREATES POTENTIAL FOR LOSS OF CREW AS WELL AS MISSION. TIME AVAILABLE FOR CREWMEMBER TO REACH SAFE-HAVEN DEPENDENT UPON OPERATIONAL SITUATION FACTORS AND/OR ANOMOLIES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/26/88
ASSESSMENT ID: MECH/PH-17126X
NASA FMEA #: 02-4A-593302-3

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PH
MDAC ID: 17126
ITEM: AIRLOCK HATCH LATCH LOCK

LEAD ANALYST: M. BRADWAY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /2]	[P]	[P]	[P]	[ ] *
IOA	[2 /2]	[P]	[P]	[P]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/16/88
ASSESSMENT ID: MECH/PH-7100
NASA FMEA #: 02-4A-593309-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PH
MDAC ID: 7100
ITEM: PRESSURE PORT

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R]	[P]	[F]	[P]	[A] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
CLOGGED/BLOCKED PRESSURE PORT COULD PREVENT EQUALIZATION OF PRESSURE WITH MIDDECK, PREVENTING OPENING OF HATCH B DUE TO AIRLOCK HIGH PRESSURE, POTENTIAL LOSS OF CREW. ALSO INADVERTENT LEAKAGE OF ATMOSPHERE CREATES POTENTIAL FOR LOSS OF CREW.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/16/88
ASSESSMENT ID: MECH/PH-7101
NASA FMEA #: 02-4A-593309-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PH
MDAC ID: 7101
ITEM: PRESSURE PORT

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[X]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[N]
RECOMMENDATIONS: (If different from NASA)	[3 /1R]	[P]	[F]	[P]	[A] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
CLOGGED/BLOCKED PRESSURE PORT COULD PREVENT EQUALIZATION OF PRESSURE WITH MIDDECK, PREVENTING OPENING OF HATCH B DUE TO AIRLOCK HIGH PRESSURE, POTENTIAL LOSS OF CREW. ALSO INADVERTENT LEAKAGE OF ATMOSPHERE CREATES POTENTIAL FOR LOSS OF CREW.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/12/88
ASSESSMENT ID: MECH/PH-7119
NASA FMEA #: 02-4A-593402-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PH
MDAC ID: 7119
ITEM: DRAIN TUBING

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[3 /3]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5104
NASA FMEA #: 02-4B-001-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5104
ITEM: CENTERLINE/BULKHEAD LATCH MOTOR BRAKE

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[2 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5106
NASA FMEA #: 02-4B-001-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5106
ITEM: CENTERLINE/BULKHEAD LATCH MOTOR CLUTCH/BRAKE DISC

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[2 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5108B
NASA FMEA #: 02-4B-001-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5108
ITEM: CENTERLINE/BULKHEAD LATCH GANG DIFFERENTIAL

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[2 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5133
NASA FMEA #: 02-4B-001-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5133
ITEM: BULKHEAD LATCH GANG BELLCRANK LINKAGE

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[/]	[ ]	[N]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5135
NASA FMEA #: 02-4B-001-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5135
ITEM: BULKHEAD PUSH-PULL ROD

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[/]	[ ]	[N]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5137
NASA FMEA #: 02-4B-001-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5137
ITEM: BULKHEAD LATCH LINKAGE

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[/]	[ ]	[N]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5140
NASA FMEA #: 02-4B-001-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5140
ITEM: BULKHEAD ROLLER ASSEMBLY

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[/]	[ ]	[N]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5101
NASA FMEA #: 02-4B-001-2

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5101
ITEM: CENTERLINE/BULKHEAD LATCH MOTOR

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /2R]	[ ]	[ ]	[ ]	[X] *
IOA	[2 /1R]	[P]	[P]	[P]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5107
NASA FMEA #: 02-4B-001-2

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5107
ITEM: CENTERLINE/BULKHEAD LATCH GANG DIFFERENTIAL

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /2R]	[ ]	[ ]	[ ]	[X] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[X]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5108
NASA FMEA #: 02-4B-001-2

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5108
ITEM: CENTERLINE/BULKHEAD LATCH GANG DIFFERENTIAL

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /2R]	[ ]	[ ]	[ ]	[X] *
IOA	[2 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5113
NASA FMEA #: 02-4B-001-2

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5113
ITEM: CENTERLINE/BULKHEAD GEARBOX

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /2R]	[ ]	[ ]	[ ]	[X] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[X]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5115
NASA FMEA #: 02-4B-001-2

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5115
ITEM: CENTERLINE/BULKHEAD GEARBOX

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /2R]	[ ]	[ ]	[ ]	[X] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[X]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5102A
NASA FMEA #: 02-4B-002-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5102
ITEM: CENTERLINE/BULKHEAD LATCH MOTOR CLUTCH

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[2 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5104A
NASA FMEA #: 02-4B-002-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5104
ITEM: CENTERLINE/BULKHEAD LATCH MOTOR BRAKE

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[2 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5106A
NASA FMEA #: 02-4B-002-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5106
ITEM: CENTERLINE/BULKHEAD LATCH MOTOR CLUTCH/BRAKE
DISC

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[2 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5107B
NASA FMEA #: 02-4B-002-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5107
ITEM: CENTERLINE/BULKHEAD LATCH GANG DIFFERENTIAL

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5108C
NASA FMEA #: 02-4B-002-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5108
ITEM: CENTERLINE/BULKHEAD LATCH GANG DIFFERENTIAL

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[2 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5109
NASA FMEA #: 02-4B-002-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5109
ITEM: CENTERLINE/BULKHEAD LATCH GANG DIFFERENTIAL

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5110
NASA FMEA #: 02-4B-002-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5110
ITEM: CENTERLINE/BULKHEAD TORQUE LIMITER

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5113B
NASA FMEA #: 02-4B-002-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5113
ITEM: CENTERLINE/BULKHEAD GEARBOX

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5114
NASA FMEA #: 02-4B-002-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5114
ITEM: CENTERLINE/BULKHEAD GEARBOX

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5115B
NASA FMEA #: 02-4B-002-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5115
ITEM: CENTERLINE/BULKHEAD GEARBOX

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5121
NASA FMEA #: 02-4B-002-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5121
ITEM: CENTERLINE LATCH GANG TORQUE SHAFT/COUPLINGS

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PDB-5122A
NASA FMEA #: 02-4B-002-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5122
ITEM: CENTERLINE LATCH ASSEMBLY

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5101A
NASA FMEA #: 02-4B-002-3

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5101
ITEM: CENTERLINE/BULKHEAD LATCH MOTOR

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /2R]	[ ]	[ ]	[ ]	[X] *
IOA	[2 /1R]	[P]	[P]	[P]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5107A
NASA FMEA #: 02-4B-002-3

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5107
ITEM: CENTERLINE/BULKHEAD LATCH GANG DIFFERENTIAL

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /2R]	[ ]	[ ]	[ ]	[X] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[X]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5108A
NASA FMEA #: 02-4B-002-3

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5108
ITEM: CENTERLINE/BULKHEAD LATCH GANG DIFFERENTIAL

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /2R]	[ ]	[ ]	[ ]	[X] *
IOA	[2 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5113A
NASA FMEA #: 02-4B-002-3

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5113
ITEM: CENTERLINE/BULKHEAD GEARBOX

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /2R]	[ ]	[ ]	[ ]	[X] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[X]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5115A
NASA FMEA #: 02-4B-002-3

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5115
ITEM: CENTERLINE/BULKHEAD GEARBOX

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /2R]	[ ]	[ ]	[ ]	[X] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[X]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5119
NASA FMEA #: 02-4B-003-2

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5119
ITEM: CENTERLINE/BULKHEAD CLOSED LIMIT SWITCH

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[2 /1R]	[P]	[P]	[P]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5101B
NASA FMEA #: 02-4B-005-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5101
ITEM: CENTERLINE/BULKHEAD LATCH MOTOR

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[2 /1R]	[P]	[P]	[P]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5105
NASA FMEA #: 02-4B-005-4

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5105
ITEM: CENTERLINE/BULKHEAD LATCH MOTOR BRAKE

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[N]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5105A
NASA FMEA #: 02-4B-005-6

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5105
ITEM: CENTERLINE/BULKHEAD LATCH MOTOR BRAKE

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PDB-5122
NASA FMEA #: 02-4B-006-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5122
ITEM: CENTERLINE LATCH ASSEMBLY

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5111A
NASA FMEA #: 02-4B-006-2

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5111
ITEM: CENTERLINE/BULKHEAD TORQUE LIMITER

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5109A
NASA FMEA #: 02-4B-006-4

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5109
ITEM: CENTERLINE/BULKHEAD LATCH GANG DIFFERENTIAL

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5113C
NASA FMEA #: 02-4B-006-5

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5113
ITEM: CENTERLINE/BULKHEAD GEARBOX

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5115C
NASA FMEA #: 02-4B-006-5

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5115
ITEM: CENTERLINE/BULKHEAD GEARBOX

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5111B
NASA FMEA #: 02-4B-007-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5111
ITEM: CENTERLINE/BULKHEAD TORQUE LIMITER

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5112
NASA FMEA #: 02-4B-007-2

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5112
ITEM: CENTERLINE/BULKHEAD TORQUE LIMITER

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[F]	[F]	[P]	[X] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5111
NASA FMEA #: 02-4B-007-3

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5111
ITEM: CENTERLINE/BULKHEAD TORQUE LIMITER

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[F]	[F]	[P]	[X] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5112A
NASA FMEA #: 02-4B-007-4

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5112
ITEM: CENTERLINE/BULKHEAD TORQUE LIMITER

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[F]	[F]	[P]	[X] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5138
NASA FMEA #: 02-4B-008-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5138
ITEM: BULKHEAD LATCH LINKAGE

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[/]	[ ]	[N]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5139
NASA FMEA #: 02-4B-008-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5139
ITEM: BULKHEAD LATCH LINKAGE

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[/]	[ ]	[N]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5138A
NASA FMEA #: 02-4B-008-2

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5138
ITEM: BULKHEAD LATCH LINKAGE

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[NA]	[P]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5136
NASA FMEA #: 02-4B-099-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5136
ITEM: BULKHEAD PUSH-PULL ROD

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[NA]	[P]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5102
NASA FMEA #: 02-4B-101-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5102
ITEM: CENTERLINE/BULKHEAD LATCH MOTOR CLUTCH

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[NA]	[P]	[X] *
IOA	[2 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/]	[ ]	[N]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5134
NASA FMEA #: 02-4B-106-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5134
ITEM: BULKHEAD LATCH GANG BELLCRANK LINKAGE

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[NA]	[P]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5138B
NASA FMEA #: 02-4B-107-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5138
ITEM: BULKHEAD LATCH LINKAGE

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[NA]	[P]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5138C
NASA FMEA #: 02-4B-108-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5138
ITEM: BULKHEAD LATCH LINKAGE

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[NA]	[P]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5176
NASA FMEA #: 02-4B-109-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5176
ITEM: PAYLOAD BAY DOOR ALIGNMENT ROLLER

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88 NASA DATA:
ASSESSMENT ID: MECH/PBD-5125 BASELINE [ ]
NASA FMEA #: 02-4B-110-1 NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5125
ITEM: CENTERLINE LATCH ROLLER ASSEMBLY

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[/]	[ ]	[N]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5126
NASA FMEA #: 02-4B-110-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5126
ITEM: CENTERLINE LATCH ROLLER ASSEMBLY

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5120
NASA FMEA #: 02-4B-112-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5120
ITEM: CENTERLINE LATCH GANG TORQUE SHAFT/COUPLINGS

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PDB-5123
NASA FMEA #: 02-4B-113-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5123
ITEM: CENTERLINE LATCH ASSEMBLY

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[/]	[ ]	[N]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PDB-5124
NASA FMEA #: 02-4B-113-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5124
ITEM: CENTERLINE LATCH ASSEMBLY

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PDB-5123A
NASA FMEA #: 02-4B-113-2

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5123
ITEM: CENTERLINE LATCH ASSEMBLY

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[NA]	[P]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PDB-5123B
NASA FMEA #: 02-4B-114-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5123
ITEM: CENTERLINE LATCH ASSEMBLY

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[NA]	[P]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5145
NASA FMEA #: 02-4B-140-2

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5145
ITEM: BULKHEAD READY-TO-LATCH SWITCH MODULE

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[2 /1R]	[P]	[P]	[P]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]4392H[ ]	
RECOMMENDATIONS: (If different from NASA)	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [X]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5158
NASA FMEA #: 02-4B-200-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5158
ITEM: PAYLOAD BAY DOOR DRIVE TORQUE SHAFT/COUPLING

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5161
NASA FMEA #: 02-4B-200-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5161
ITEM: PAYLOAD BAY DOOR DRIVE SUPPORT BEARING ASSEMBLY

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5159
NASA FMEA #: 02-4B-201-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5159
ITEM: PAYLOAD BAY DOOR DRIVE SUPPORT BEARING ASSEMBLY

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[F]	[F]	[P]	[X] *
IOA	[2 /1R]	[P]	[NA]	[F]	[X]
COMPARE	[/]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MAREKD AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5154
NASA FMEA #: 02-4B-202-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5154
ITEM: PAYLOAD BAY DOOR DRIVE DIFFERENTIAL

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5156
NASA FMEA #: 02-4B-202-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5156
ITEM: PAYLOAD BAY DOOR DRIVE GEARBOX

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5157A
NASA FMEA #: 02-4B-202-2

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5157
ITEM: PAYLOAD BAY DOOR DRIVE GEARBOX

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[2 /2]	[ ]	[ ]	[ ]	[X]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5162
NASA FMEA #: 02-4B-202-2

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5162
ITEM: PAYLOAD BAY DOOR DRIVE ROTARY ACTUATOR/TORQUE LIMITER

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[3 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5146
NASA FMEA #: 02-4B-203-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5146
ITEM: PAYLOAD BAY DOOR DRIVE MOTOR

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[2 /1R]	[P]	[P]	[P]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5147
NASA FMEA #: 02-4B-203-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5147
ITEM: PAYLOAD BAY DOOR DRIVE CLUTCH

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[2 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/]	[ ]	[N]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

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APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5149
NASA FMEA #: 02-4B-203-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5149
ITEM: PAYLOAD BAY DOOR DRIVE BRAKE

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[2 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/]	[ ]	[N]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5151
NASA FMEA #: 02-4B-203-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5151
ITEM: PAYLOAD BAY DOOR DRIVE CLUTCH/BRAKE DISC

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[2 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/]	[ ]	[N]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5152
NASA FMEA #: 02-4B-203-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5152
ITEM: PAYLOAD BAY DOOR DRIVE DIFFERENTIAL

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5153
NASA FMEA #: 02-4B-203-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5153
ITEM: PAYLOAD BAY DOOR DRIVE DIFFERENTIAL

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[2 /2]	[ ]	[ ]	[ ]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5150
NASA FMEA #: 02-4B-203-2

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSSTEM: MECH/PBD
MDAC ID: 5150
ITEM: PAYLOAD BAY DOOR DRIVE BRAKE

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5164
NASA FMEA #: 02-4B-204-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5164
ITEM: PAYLOAD BAY DOOR DRIVE ROTARY ACTUATOR/TORQUE LIMITER

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5165
NASA FMEA #: 02-4B-204-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5165
ITEM: PAYLOAD BAY DOOR DRIVE ROTARY ACTUATOR/TORQUE LIMITER

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5167
NASA FMEA #: 02-4B-204-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5167
ITEM: PAYLOAD BAY DOOR DRIVE ROTARY ACTUATOR/TORQUE LIMITER

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5155
NASA FMEA #: 02-4B-204-2

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5155
ITEM: PAYLOAD BAY DOOR DRIVE GEARBOX

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5157
NASA FMEA #: 02-4B-204-2

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5157
ITEM: PAYLOAD BAY DOOR DRIVE GEARBOX

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[2 /2]	[ ]	[ ]	[ ]	[X]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5179
NASA FMEA #: 02-4B-206-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5179
ITEM: PAYLOAD BAY DOOR SHEAR/FLOATING HINGE

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[F]	[F]	[P]	[X] *
IOA	[3 /1R]	[P]	[NA]	[P]	[ ]
COMPARE	[N /]	[N]	[N]	[ ]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5162A
NASA FMEA #: 02-4B-207-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5162
ITEM: PAYLOAD BAY DOOR DRIVE ROTARY ACTUATOR/TORQUE LIMITER

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[3 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5163
NASA FMEA #: 02-4B-207-2

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5163
ITEM: PAYLOAD BAY DOOR DRIVE ROTARY ACTUATOR/TORQUE LIMITER

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[F]	[F]	[P]	[X] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5168
NASA FMEA #: 02-4B-209-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5168
ITEM: PAYLOAD BAY DOOR DRIVE LINKAGE ASSEMBLY

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5166
NASA FMEA #: 02-4B-209-2

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5166
ITEM: PAYLOAD BAY DOOR DRIVE ROTARY ACTUATOR/TORQUE LIMITER

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[NA]	[P]	[X] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5169
NASA FMEA #: 02-4B-209-2

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5169
ITEM: PAYLOAD BAY DOOR DRIVE LINKAGE ASSEMBLY

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[NA]	[P]	[X] *
IOA	[3 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[N /]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5127
NASA FMEA #: 02-4B-403-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5127
ITEM: PBD SHEAR FITTING ROLLER

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[2 /1R]	[P]	[NA]	[F]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5128
NASA FMEA #: 02-4B-403-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5128
ITEM: PBD SHEAR FITTING ROLLER

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5129
NASA FMEA #: 02-4B-403-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5129
ITEM: PBD SHEAR FITTING ROLLER

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5130
NASA FMEA #: 02-4B-403-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5130
ITEM: PBD SHEAR FITTING CLAW

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[2 /1R]	[P]	[NA]	[F]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5131
NASA FMEA #: 02-4B-403-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5131
ITEM: PBD SHEAR FITTING CLAW

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5132
NASA FMEA #: 02-4B-403-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5132
ITEM: PBD SHEAR FITTING CLAW

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5128A
NASA FMEA #: 02-4B-403-2

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5128
ITEM: PBD SHEAR FITTING ROLLER

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5131A
NASA FMEA #: 02-4B-403-2

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/PBD
MDAC ID: 5131
ITEM: PBD SHEAR FITTING CLAW

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/ETU-3116
NASA FMEA #: 02-4D-012000-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/ETUD
MDAC ID: 3116
ITEM: TORQUE LIMIT CLUTCH/DIFFERENTIAL/GEAR ASSEMBLY

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/ETU-3119
NASA FMEA #: 02-4D-012100-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/ETUD
MDAC ID: 3119
ITEM: DOOR LINKAGE ASSEMBLY

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/ETU-3121
NASA FMEA #: 02-4D-012100-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/ETUD
MDAC ID: 3121
ITEM: HINGE LINKAGE ASSEMBLY

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/ETU-3123
NASA FMEA #: 02-4D-012100-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/ETUD
MDAC ID: 3123
ITEM: DOOR CLOSURE TORQUE TUBE ASSEMBLY

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/ETU-3127
NASA FMEA #: 02-4D-012100-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/ETUD
MDAC ID: 3127
ITEM: DOOR HINGE

LEAD ANALYST: J BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88 NASA DATA:
ASSESSMENT ID: MECH/ETU-3120 BASELINE [ ]
NASA FMEA #: 02-4D-012100-2 NEW [X]

SUBSYSTEM: MECH/ETUD
MDAC ID: 3120
ITEM: HINGE LINKAGE ASSEMBLY

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/ETU-3122
NASA FMEA #: 02-4D-012100-2

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/ETUD
MDAC ID: 3122
ITEM: DOOR CLOSURE TORQUE TUBE ASSEMBLY

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [X]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/ETU-3126
NASA FMEA #: 02-4D-012100-2

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/ETUD
MDAC ID: 3126
ITEM: DOOR HINGE

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/ETU-3111
NASA FMEA #: 02-4D-012600-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/ETUD
MDAC ID: 3111
ITEM: DOOR CLOSURE MOTOR

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[2 /1R]	[P]	[P]	[P]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/ETU-3113
NASA FMEA #: 02-4D-012600-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/ETUD
MDAC ID: 3113
ITEM: DOOR CLOSURE MOTOR CLUTCH

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/ETU-3115
NASA FMEA #: 02-4D-012600-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/ETUD
MDAC ID: 3115
ITEM: DOOR CLOSURE MOTOR BRAKE

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[2 /1R]	[P]	[P]	[P]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/ETU-3117B
NASA FMEA #: 02-4D-012600-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/ETUD
MDAC ID: 3117
ITEM: TORQUE LIMIT CLUTCH/DIFFERENTIAL/GEAR ASSEMBLY

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/ETU-3114
NASA FMEA #: 02-4D-012600-3

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/ETUD
MDAC ID: 3114
ITEM: DOOR CLOSURE MOTOR BRAKE

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88 NASA DATA:
ASSESSMENT ID: MECH/ETU-3117 BASELINE [ ]
NASA FMEA #: 02-4D-012600-4 NEW [X]

SUBSYSTEM: MECH/ETUD
MDAC ID: 3117
ITEM: TORQUE LIMIT CLUTCH/DIFFERENTIAL/GEAR ASSEMBLY

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [X]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/ETU-3116A
NASA FMEA #: 02-4D-012600-5

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/ETUD
MDAC ID: 3116
ITEM: TORQUE LIMIT CLUTCH/DIFFERENTIAL/GEAR ASSEMBLY

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[F]	[F]	[P]	[X] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/ETU-3135
NASA FMEA #: 02-4D-012600-5

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/ETUD
MDAC ID: 3135
ITEM: TORQUE LIMIT CLUTCH/DIFFERENTIAL/GEAR ASSEMBLY

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[F]	[F]	[P]	[X] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/ETU-3136
NASA FMEA #: 02-4D-012600-5

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/ETUD
MDAC ID: 3136
ITEM: TORQUE LIMIT CLUTCH/DIFFERENTIAL/GEAR ASSEMBLY

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[F]	[F]	[P]	[X] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/ETU-3124
NASA FMEA #: 02-4D-012700-2

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/ETUD
MDAC ID: 3124
ITEM: DOOR CLOSURE LIMIT SWITCH

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[2 /1R]	[P]	[P]	[P]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/ETU-3135A
NASA FMEA #: 02-4D-013000-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/ETUD
MDAC ID: 3135
ITEM: TORQUE LIMIT CLUTCH/DIFFERENTIAL/GEAR ASSEMBLY

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [X]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/ETU-3137
NASA FMEA #: 02-4D-013300-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/ETUD
MDAC ID: 3137
ITEM: UPLATCH TORQUE TUBE ASSEMBLY

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/ETU-3139
NASA FMEA #: 02-4D-013300-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/ETUD
MDAC ID: 3139
ITEM: INBOARD UPLOCK LATCH LINKAGE

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88 NASA DATA:
ASSESSMENT ID: MECH/ETU-3141 BASELINE [ ]
NASA FMEA #: 02-4D-013300-1 NEW [X]

SUBSYSTEM: MECH/ETUD
MDAC ID: 3141
ITEM: UPLOCK LATCH MECHANISM

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [X]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/ETU-3128
NASA FMEA #: 02-4D-013300-2

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/ETUD
MDAC ID: 3128
ITEM: DOOR UPLATCH ROLLER

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/ETU-3129
NASA FMEA #: 02-4D-013300-2

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/ETUD
MDAC ID: 3129
ITEM: UMBILICAL DOOR

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[X]	[X] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[N]	[N]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/ETU-3138
NASA FMEA #: 02-4D-013300-2

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/ETUD
MDAC ID: 3138
ITEM: UPLATCH TORQUE TUBE ASSEMBLY

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88 NASA DATA:
ASSESSMENT ID: MECH/ETU-3140 BASELINE [ ]
NASA FMEA #: 02-4D-013300-2 NEW [X]

SUBSYSTEM: MECH/ETUD
MDAC ID: 3140
ITEM: INBOARD UPLOCK LATCH LINKAGE

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [X]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/ETU-3142
NASA FMEA #: 02-4D-013300-2

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/ETUD
MDAC ID: 3142
ITEM: UPLOCK LATCH MECHANISM

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [X]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/ETU-3130
NASA FMEA #: 02-4D-013600-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/ETUD
MDAC ID: 3130
ITEM: UPLOCK LATCH MOTOR

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[2 /1R]	[P]	[P]	[P]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCIES BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/ETU-3132
NASA FMEA #: 02-4D-013600-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/ETUD
MDAC ID: 3132
ITEM: UPLATCH MOTOR CLUTCH

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/ETU-3134
NASA FMEA #: 02-4D-013600-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/ETUD
MDAC ID: 3134
ITEM: UPLATCH MOTOR BRAKE

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[2 /1R]	[P]	[P]	[P]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/ETU-3136A
NASA FMEA #: 02-4D-013600-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/ETUD
MDAC ID: 3136
ITEM: TORQUE LIMIT CLUTCH/DIFFERENTIAL/GEAR ASSEMBLY

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/ETU-3133
NASA FMEA #: 02-4D-013600-3

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/ETUD
MDAC ID: 3133
ITEM: UPLATCH MOTOR BRAKE

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/ETU-3117A
NASA FMEA #: 02-4D-013600-4

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/ETUD
MDAC ID: 3117
ITEM: TORQUE LIMIT CLUTCH/DIFFERENTIAL/GEAR ASSEMBLY

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88 NASA DATA:
ASSESSMENT ID: MECH/ETU-3116B BASELINE [ ]
NASA FMEA #: 02-4D-013600-5 NEW [X]

SUBSYSTEM: MECH/ETUD
MDAC ID: 3116
ITEM: TORQUE LIMIT CLUTCH/DIFFERENTIAL/GEAR ASSEMBLY

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[F]	[F]	[P]	[X] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/ETU-3117C
NASA FMEA #: 02-4D-013600-5

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/ETUD
MDAC ID: 3117
ITEM: TORQUE LIMIT CLUTCH/DIFFERENTIAL/GEAR ASSEMBLY

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[F]	[F]	[P]	[X] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/ETU-3131
NASA FMEA #: 02-4D-013600-5

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/ETUD
MDAC ID: 3131
ITEM: UPLATCH MOTOR CLUTCH

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[F]	[F]	[P]	[X] *
IOA	[2 /1R]	[P]	[P]	[P]	[X]
COMPARE	[/]	[N]	[N]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCIES BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/ETU-3132A
NASA FMEA #: 02-4D-013600-5

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/ETUD
MDAC ID: 3132
ITEM: UPLATCH MOTOR CLUTCH

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[F]	[F]	[P]	[X] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/ETU-3143
NASA FMEA #: 02-4D-013700-2

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/ETUD
MDAC ID: 3143
ITEM: READY TO LATCH LIMIT SWITCH

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[2 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/]	[ ]	[N]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL.
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/ETU-3108
NASA FMEA #: 02-4D-014000-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/ETUD
MDAC ID: 3108
ITEM: CENTERLINE LATCH

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88 NASA DATA:
ASSESSMENT ID: MECH/ETU-3106 BASELINE [ ]
NASA FMEA #: 02-4D-014000-3 NEW [X]

SUBSYSTEM: MECH/ETUD
MDAC ID: 3106
ITEM: CENTERLINE LATCH DIFFERENTIAL/GEAR ASSEMBLY

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[1 /1]	[ ]	[ ]	[ ]	[X] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [X]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/ETU-3101
NASA FMEA #: 02-4D-014600-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/ETUD
MDAC ID: 3101
ITEM: CENTERLINE LATCH MOTOR

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[2 /1R]	[P]	[P]	[P]	[X]
COMPARE	[/]	[ ]	[N]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/ETU-3103
NASA FMEA #: 02-4D-014600-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/ETUD
MDAC ID: 3103
ITEM: CENTERLINE MOTOR CLUTCH

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/ETU-3105
NASA FMEA #: 02-4D-014600-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/ETUD
MDAC ID: 3105
ITEM: CENTERLINE MOTOR BRAKE

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[2 /1R]	[P]	[P]	[P]	[X]
COMPARE	[/]	[ ]	[N]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/ETU-3107
NASA FMEA #: 02-4D-014600-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/ETUD
MDAC ID: 3107
ITEM: CENTERLINE LATCH DIFFERENTIAL/GEAR ASSEMBLY

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[1 /1]	[ ]	[ ]	[ ]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/ETU-3104
NASA FMEA #: 02-4D-014600-3

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/ETUD
MDAC ID: 3104
ITEM: CENTERLINE MOTOR BRAKE

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[N]
RECOMMENDATIONS: (If different from NASA)					
	[/]	[ ]	[ ]	[ ]	[ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [X]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH THE FMEA/CIL
THE DISCREPANCY BETWEEN NASA FMEA/CIL AND IOA ANALYSES ARE MARKED AS AN ISSUE UNTIL RESOLVED WITH THE SUBSYSTEM MANAGER.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/ETU-3109
NASA FMEA #: 02-4D-14700-2

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: MECH/ETUD
MDAC ID: 3109
ITEM: CENTERLINE LATCH LIMIT SWITCH

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[2 /1R]	[P]	[P]	[P]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE [ ]

REMARKS:

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